

SEQUENCE LISTING

<110> ROSETTA GENOMICS LTD

<120> BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY
GENES AND USES THEREOF

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<160> 46755

<170> PatentIn version 3.2

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 agatatattg gatgaagata ctgtacatcc tga 93
 <210> 179
 <211> 77
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 179
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 ataaagcgtt tctgaga 77
 <210> 180
 <211> 118
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 180
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 <210> 181
 <211> 80
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 181
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 <210> 182
 <211> 100
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)

<400> 182
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 gtttagagg atcaacaact gtagaacca gcacaacaga 100
 <210> 183
 <211> 70
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 183
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 cgtccctaga 70
 <210> 184
 <211> 78
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 184
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 acatgtgttt atcgttta 78
 <210> 185
 <211> 77
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 185
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 gagtgggtggc cgagtta 77
 <210> 186
 <211> 74
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 186
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 <210> 187
 <211> 70
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 187
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 gttttctgta 70
 <210> 188
 <211> 131
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 188
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 attttatgc a 131
 <210> 189
 <211> 100
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)

<400> 189
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 <210> 190
 <211> 70
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 190
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 <210> 191
 <211> 100
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 191
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 <210> 192
 <211> 73
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 192
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 gtcatttctg gaa 73
 <210> 193
 <211> 85
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 193
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 tggcgtccat gtgtatctgg ctgaa 85
 <210> 194
 <211> 93
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 194
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 ttctttaat acatcataat agattggtgt cga 93
 <210> 195
 <211> 70
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 195
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 attccaacga 70
 <210> 196
 <211> 83
 <212> DNA
 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
 <400> 196

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 ccagtccatg aagatatgcc aga 83
 <210> 197
 <211> 113
 <212> DNA
 <213> Simian virus 40
 <400> 197
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 ccagggtccc cagcaggcag aagtatgcaa agcatgcac tcaattagtc agc 113
 <210> 198
 <211> 73
 <212> DNA
 <213> Simian virus 40
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 <210> 199
 <211> 73
 <212> DNA
 <213> Simian virus 40
 <400> 199
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 <211> 65
 <212> DNA
 <213> Autographa californica nucleopolyhedrovirus
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 ctgct 65
 <210> 201
 <211> 108
 <212> DNA
 <213> Autographa californica nucleopolyhedrovirus
 <400> 201
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 aatgtattaa agagattgaa agcgcgtacg gcgtgcgtga tcgcggca 108
 <210> 202
 <211> 70
 <212> DNA
 <213> Avian leukosis virus
 <400> 202
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 caggcgcagt 70
 <210> 203
 <211> 75
 <212> DNA
 <213> Avian leukosis virus
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cggtcgctag gtgtg 75
 <210> 204
 <211> 93
 <212> DNA
 <213> Bovine leukemia virus
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 gtcactcagt catttttat agccgattgg ggt 93
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 <211> 82
 <212> DNA
 <213> Bovine leukemia virus
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 ggggcgattt ctgcagctg tg 82
 <210> 206
 <211> 86
 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 206
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 gagggcttgc ttacgaatt tcgctt 86
 <210> 207
 <211> 78
 <212> DNA
 <213> Callitrichine herpesvirus 3
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 <210> 208
 <211> 78
 <212> DNA
 <213> Callitrichine herpesvirus 3
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 <211> 128
 <212> DNA
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 <400> 209
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 ggcaacgt 128
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 <211> 93
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 <211> 123
 <212> DNA
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 <400> 211
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 cct 123
 <210> 212
 <211> 100
 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 212
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 <213> Callitrichine herpesvirus 3
 <400> 213
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 217

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 gggcgggccgg g 131
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 <211> 93
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 <211> 117
 <212> DNA
 <213> Callitrichine herpesvirus 3
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 <212> DNA
 <213> Callitrichine herpesvirus 3
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 <211> 130
 <212> DNA
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 cacgattaag 130
 <210> 223
 <211> 130
 <212> DNA
 <213> Callitrichine herpesvirus 3
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 <210> 224
 <211> 131
 <212> DNA

<213> Callitrichine herpesvirus 3
 <400> 224
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 gagtgagaaa g 131
 <210> 225
 <211> 76
 <212> DNA
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 acctgtcata cacgtt 76
 <210> 226
 <211> 83
 <212> DNA
 <213> Callitrichine herpesvirus 3
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 <210> 227
 <211> 66
 <212> DNA
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 <210> 228
 <211> 109
 <212> DNA
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 <211> 117
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 <211> 85
 <212> DNA
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 <211> 77
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 <212> DNA
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 <400> 248
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<211> 70
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 <212> DNA
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 <211> 130
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 <211> 73
 <212> DNA
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 gttggatgtg 73
 <210> 259

<211> 109
 <212> DNA
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 <211> 82
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 <212> DNA
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 aataaatgca g 131
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 gtcacgcaca tcatcgcatg cgtatc 86
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 cattttaact ttgattataa ccaattaaaa tgcgtgccga tc 102
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 cgcgttgatc 130
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 caagttcggc 70
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 aatgttcgtg tagcatttaa aacacactgc gtgattgc 98
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 aacagc 66
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 <211> 95
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 <211> 107
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<212> DNA
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 <211> 82
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 tgcgttgtt ttcttggtg ta 82
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 ttcaagta 128
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 agatttaaat agcatgcagg atgtgcttc gttactatgt cg 102
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 <212> DNA
 <213> Epiphyas postvittana nucleopolyhedrovirus
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 tacttacatc acagccgata ttggcgaca 89
 <210> 286
 <211> 86
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 <213> Epiphyas postvittana nucleopolyhedrovirus
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 ccgatgcgag caccgcgtca cgttca 86
 <210> 287
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<212> DNA
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 aa 122
 <210> 290
 <211> 74
 <212> DNA
 <213> Equine herpesvirus 4
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 agctatttaa gtcg 74
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 <211> 74
 <212> DNA
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 <400> 291
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 aacagtctt accc 74
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 <211> 62
 <212> DNA
 <213> Equine herpesvirus 4
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 <211> 98
 <212> DNA
 <213> Human adenovirus E
 <400> 293
 aattcatcg catgaatact ggagataaag ctgtgtgtg tgcactttgc tatatgagag 60
 cttacaacca ttgtgttac agtaagtgtg attaagtt 98
 <210> 294
 <211> 64

<212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 ggtg 64
 <210> 295
 <211> 74
 <212> DNA
 <213> Human herpesvirus 6
 <400> 295
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 agagaaaatc acag 74
 <210> 296
 <211> 96
 <212> DNA
 <213> Pothos latent virus
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 agggctatag ccaaagtggg attacttaag aggagt 96
 <210> 297
 <211> 101
 <212> DNA
 <213> Pothos latent virus
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 gaacaactcg ctattgaacg tgacctgatg aattggactc c 101
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 <211> 109
 <212> DNA
 <213> Pothos latent virus
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 <210> 299
 <211> 120
 <212> DNA
 <213> porcine enteric calicivirus
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 <212> DNA
 <213> Murine adenovirus A
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 <212> DNA

<213> Cryphonectria hypovirus 3
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 <210> 302
 <211> 109
 <212> DNA
 <213> Cryphonectria hypovirus 3
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 <210> 303
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 <212> DNA
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 <213> Cryphonectria hypovirus 3
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 <211> 66
 <212> DNA
 <213> Myxoma virus
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 tcgtat 66
 <210> 306
 <211> 118
 <212> DNA
 <213> Myxoma virus
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 <211> 64
 <212> DNA
 <213> Myxoma virus
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 ctcc 64
 <210> 308
 <211> 131
 <212> DNA
 <213> Myxoma virus

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 aaacaggatt t 131
 <210> 309
 <211> 84
 <212> DNA
 <213> Myxoma virus
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 gtctgttatc aaacggggca gata 84
 <210> 310
 <211> 130
 <212> DNA
 <213> Rabbit fibroma virus
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 ttgttgtgt 130
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 <211> 65
 <212> DNA
 <213> Rabbit fibroma virus
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 taatc 65
 <210> 312
 <211> 131
 <212> DNA
 <213> Rabbit fibroma virus
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 <211> 93
 <212> DNA
 <213> Rabbit fibroma virus
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 ttccctaaca taactgactt cctatcgcat ccg 93
 <210> 314
 <211> 75
 <212> DNA
 <213> Rabbit fibroma virus
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 attacattg catct 75
 <210> 315
 <211> 131

<212> DNA
 <213> Rabbit fibroma virus
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 <211> 130
 <212> DNA
 <213> Human herpesvirus 5
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 ttcttctact caaccgtaca ggcacgtca cagaaacaaa ggagtcgtac cttaaccttt 120
 gttagcgtgc 130
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 <211> 93
 <212> DNA
 <213> Human herpesvirus 5
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 atctctggca tcatgagacg cgcgaaaacg ccg 93
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 <211> 94
 <212> DNA
 <213> Human herpesvirus 3
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 cggttccggt tatagccgtt ctaacgccta tcga 94
 <210> 319
 <211> 118
 <212> DNA
 <213> Human herpesvirus 3
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 <211> 85
 <212> DNA
 <213> Human herpesvirus 3
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 cgaattttcc tatcccaaat catcc 85
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 <211> 107
 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 321
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<211> 74
 <212> DNA
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 <213> Saimiriine herpesvirus 2
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 aagcattgca gagactgtta ct 82
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 <211> 109
 <212> DNA
 <213> Saimiriine herpesvirus 2
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 <211> 85
 <212> DNA
 <213> Saimiriine herpesvirus 2
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 attaggcaaa agcttgctga atgtg 85
 <210> 326
 <211> 65
 <212> DNA
 <213> Tobacco mosaic virus
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 aggggt 65
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 <211> 129
 <212> DNA
 <213> Tobacco mosaic virus
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 caagagggt 129
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 <211> 73
 <212> DNA
 <213> Tobacco mosaic virus
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 tagctcgtac ttg 73
 <210> 329

<211> 66
 <212> DNA
 <213> Tobacco mosaic virus
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 <210> 330
 <211> 127
 <212> DNA
 <213> Tobacco mosaic virus
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 tctcgtc 127
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 <211> 87
 <212> DNA
 <213> Human adenovirus C
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 tgtggaatca ggctgtagac agctatg 87
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 <211> 83
 <212> DNA
 <213> Black beetle virus
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 gtcaccaatt agtccaactg tgt 83
 <210> 333
 <211> 102
 <212> DNA
 <213> Black beetle virus
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 <212> DNA
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<211> 70
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 <213> Avian infectious bronchitis virus
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 <211> 93
 <212> DNA
 <213> Avian infectious bronchitis virus
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 <212> DNA
 <213> Avian infectious bronchitis virus
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 <213> Avian infectious bronchitis virus
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 <212> DNA
 <213> Avian infectious bronchitis virus
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 <211> 65
 <212> DNA
 <213> Avian infectious bronchitis virus
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 <210> 342
 <211> 76
 <212> DNA
 <213> Avian infectious bronchitis virus
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<212> DNA
 <213> Avian infectious bronchitis virus
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 attgt 125
 <210> 344
 <211> 129
 <212> DNA
 <213> Avian infectious bronchitis virus
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 <211> 131
 <212> DNA
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 <211> 64
 <212> DNA
 <213> Avian infectious bronchitis virus
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 <213> Ectromelia virus
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 ttaccctaaa cttagta 78
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 <213> Variola virus
 <400> 446
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 aaacaggtgg 130
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 <211> 66
 <212> DNA
 <213> Variola virus
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ttttcc 66
<210> 448
<211> 118
<212> DNA
<213> Variola virus
<400> 448
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<211> 129
<212> DNA
<213> Variola virus
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agtcaaatga 70
<210> 451
<211> 103
<212> DNA
<213> Variola virus
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<210> 452
<211> 91
<212> DNA
<213> Autographa californica nucleopolyhedrovirus
<400> 452
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agtagctttg cccacaaata gatcgtttta t 91
<210> 453
<211> 95
<212> DNA
<213> Autographa californica nucleopolyhedrovirus
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cgtttagttt tgcaagctct tcaactgac gaggc 95
<210> 454
<211> 131
<212> DNA
<213> Equine herpesvirus 2
<400> 454

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 gaccaaaga g 131
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 <212> DNA
 <213> Equine herpesvirus 2
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 caccgccgcg gtg 73
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 <211> 60
 <212> DNA
 <213> African swine fever virus
 <400> 456
 atgtctatga catccttgac atgataatta acgttatcat ggatgtatt tacgagacat 60
 <210> 457
 <211> 81
 <212> DNA
 <213> Human herpesvirus 6
 <400> 457
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 aatatgaaca atgacattat t 81
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 <211> 86
 <212> DNA
 <213> Tick-borne encephalitis virus
 <400> 458
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 ggcagtactg gggcagctac cgcacg 86
 <210> 459
 <211> 89
 <212> DNA
 <213> Tick-borne encephalitis virus
 <400> 459
 ggatggacgc accctggtgg tgccgtgccg agaccaagat gaactcgttg ggagggcgcg 60
 catctaccg ggtgctggct ggagtgtcc 89
 <210> 460
 <211> 97
 <212> DNA
 <213> Tick-borne encephalitis virus
 <400> 460
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 ccataacaga ggcttcagca gtgggactgg cagcagc 97
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 <211> 130
 <212> DNA
 <213> Tick-borne encephalitis virus
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ggattgtttt tgccggaacg ttgatggagt ctatctggag tacggacgct gtgggaaaca 120
 ggaaggctca 130
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 <211> 61
 <212> DNA
 <213> Tick-borne encephalitis virus
 <400> 462
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 <210> 463
 <211> 106
 <212> DNA
 <213> Hepatitis G virus
 <400> 463
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 <211> 130
 <212> DNA
 <213> Hepatitis G virus
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 atccaggcct 130
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 <211> 131
 <212> DNA
 <213> Hepatitis G virus
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 ggttttggc caaccctagg cagatgtac ggggcgttc ggtgtcatt tgtatgagt 120
 gccacagtca t 131
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 <211> 125
 <212> DNA
 <213> Hepatitis G virus
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 ctaaggctga gtgcgagcgc ctgtctggcc agttctccgc taggggggtc aatgccattg 120
 cctat 125
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 <211> 130
 <212> DNA
 <213> Hepatitis G virus
 <400> 467
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 cgacgcgttg gattgggcct tggaggagat cttggtgtcc cggccctcgt tgcggcggtt 120
 ggctcgggtg 130
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 <211> 98

<212> DNA
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 <211> 73
 <212> DNA
 <213> Hepatitis G virus
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 ctgatgtcag ctg 73
 <210> 470
 <211> 64
 <212> DNA
 <213> Hepatitis G virus
 <400> 470
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 gggg 64
 <210> 471
 <211> 131
 <212> DNA
 <213> Hepatitis G virus
 <400> 471
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 ggctctccga g 131
 <210> 472
 <211> 103
 <212> DNA
 <213> Hepatitis G virus
 <400> 472
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 tagctatgcg ggggggaatg atctacgcgt catacaccgg gtc 103
 <210> 473
 <211> 63
 <212> DNA
 <213> Hepatitis G virus
 <400> 473
 gccagaggag tcgctggcgg tgggtgggggt tcttagccct gctcatcgta gccctcttcg 60
 ggt 63
 <210> 474
 <211> 123
 <212> DNA
 <213> Hepatitis G virus
 <400> 474
 ggcacgggtg gtcccgtga tcttgctgct gctatggtgg tgggtgaacc agctggcagt 60
 cctagggctg ccggctgtgg aagccgccgt ggcaggtgag gtcttcgagg gccctgcct 120
 gtc 123
 <210> 475

<211> 90
 <212> DNA
 <213> Hepatitis G virus
 <400> 475
 gggcacttgg gaaatactat gcctcaggca ccatggtcac cccggaaggg gtgcccgctg 60
 gtgagaggta ttgcagatcc tcgggtgtcc 90
 <210> 476
 <211> 129
 <212> DNA
 <213> Hepatitis G virus
 <400> 476
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 ctatgtggct gggatcctgg gcctgggtga ggtgtactcg ggtgtcctaa cgggtgggagt 120
 cgcgttgac 129
 <210> 477
 <211> 100
 <212> DNA
 <213> Hepatitis G virus
 <400> 477
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 ggttccatt ccatcggtgc ggcgtggggc ctgggtgac 100
 <210> 478
 <211> 105
 <212> DNA
 <213> Hepatitis G virus
 <400> 478
 gtgctgttag gcattgggag agtccgggag ctggcgcgtg ggtgcggggg gcaactagt 60
 ctctacgcca ccgtacacc tcccgatcc cctatgacgc agcac 105
 <210> 479
 <211> 125
 <212> DNA
 <213> Hepatitis G virus
 <400> 479
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 agatg 125
 <210> 480
 <211> 61
 <212> DNA
 <213> Hepatitis G virus
 <400> 480
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 a 61
 <210> 481
 <211> 113
 <212> DNA
 <213> Hepatitis G virus
 <400> 481
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 cgtggttgcg cgcctgtgtg atgaggttct catcggcgtc ttccaggatg tga 113

<210> 482
 <211> 72
 <212> DNA
 <213> Human herpesvirus 7
 <400> 482
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 gaactctgtc at 72
 <210> 483
 <211> 97
 <212> DNA
 <213> Human herpesvirus 7
 <400> 483
 gttgacatca ttgagaaaga ttggatttt tccacaaaac aatatggctct tgtaaaagag 60
 tatatggcga aaatcacaaa tatttttcaa cagcaac 97
 <210> 484
 <211> 64
 <212> DNA
 <213> Human herpesvirus 7
 <400> 484
 ctcacctgac tgtctcatgt atccagctga aacaaatcct ggaatgagta ctgaagaaag 60
 tgag 64
 <210> 485
 <211> 65
 <212> DNA
 <213> Strawberry vein banding virus (SVBV)
 <400> 485
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 cgtct 65
 <210> 486
 <211> 121
 <212> DNA
 <213> Strawberry vein banding virus (SVBV)
 <400> 486
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 caaggacact acgaatggtt agtcatgcct ttggattaa aacaagcccc tgctattttc 120
 c 121
 <210> 487
 <211> 74
 <212> DNA
 <213> Carrot mottle mimic virus
 <400> 487
 gcttggcgtt tggattgtct attccaatgc aaatagcatt ggaggggtata tatgacaatc 60
 ttaagagacc aggt 74
 <210> 488
 <211> 90
 <212> DNA
 <213> Carrot mottle mimic virus
 <400> 488
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 tgaccgagca tccactgtac aaatgcggca 90

<210> 489
 <211> 79
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 489
 tagctacggg cagaactacc agtgcgagtc agtgctcgtc ccgctgacaa gcgagtgtctg 60
 caatgtcctg tccgagcta 79
 <210> 490
 <211> 130
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 490
 ttctagtacc ggttcccgtg cggcctgcag cgggtgtctt tgtcccgcgg agccgcggcg 60
 cgccgtatac gccgtctgt tttgttcagg tcacgcccgc gtgggcaggc cctgtcacgc 120
 tggacatcta 130
 <210> 491
 <211> 92
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 491
 cgcagcgcga ctttcccgag ggcgactgcc tgctccggca ctccacggag gagcagtacg 60
 tcttctgga ctttcgcaac ttaactctg cg 92
 <210> 492
 <211> 121
 <212> DNA
 <213> Saguaro cactus virus
 <400> 492
 aacaatggtg acgatttgt tctcatatgc gaaactcgtg acgtggggcg tgtcgtggat 60
 aagttaacga cagcgtggct ccacttgggt ttacatgta tcgcagagga accagtctat 120
 g 121
 <210> 493
 <211> 127
 <212> DNA
 <213> Saguaro cactus virus
 <400> 493
 caaccgggcc tattctgaga ttccgatgc tgccagattt agcttttga aagccttcga 60
 catcttacca gatgttcagg aggccaccga agctgaactg cgtcgcacct ggattagtct 120
 cgatttt 127
 <210> 494
 <211> 131
 <212> DNA
 <213> Saguaro cactus virus
 <400> 494
 tggcatattt aaagcggcgg cttgtgcgta tcgttgggt gcatacccgg atctccgctg 60
 cgcaagtggg ggattgttat cagggcagga agcgcaccgt gtatcacaat gctcgttat 120
 ctcttgatga a 131
 <210> 495
 <211> 70
 <212> DNA
 <213> Papaya ringspot virus

<400> 495
 gcaaagtggg ggtcgtggc tcttgacaa attacacggc aattgaaag gagtagctc 60
 cgctcctagc 70
 <210> 496
 <211> 111
 <212> DNA
 <213> Papaya ringspot virus
 <400> 496
 tgattgcgtt tatagaatct taaacaagtt taaaggcgtg ataaattcta gcaacacaaa 60
 tgtttatcac cagtctttag atgacattcg ggatttctat gaagacaagc a 111
 <210> 497
 <211> 73
 <212> DNA
 <213> Cucumber green mottle mosaic virus
 <400> 497
 gtcttaaatc tgccgtagaa ggactaggtg attgctgcta tgatgctcta gtcaaaccg 60
 gctggttga cac 73
 <210> 498
 <211> 115
 <212> DNA
 <213> Cucumber green mottle mosaic virus
 <400> 498
 gttgtatgac tgcgaaaagt gcaagtgggt attgttgcca gccgagaaga agcacgcatg 60
 ggccgtgggt ctggcaagtg acgataccac tcgcataatc ttccttcat atgac 115
 <210> 499
 <211> 104
 <212> DNA
 <213> Cucumber green mottle mosaic virus
 <400> 499
 tcactccagt cgtttacct gggaccattc gagagaggca aatgaagaat tatattgatt 60
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 <210> 500
 <211> 90
 <212> DNA
 <213> Cucumber green mottle mosaic virus
 <400> 500
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 ttctgttgcg ttatccagta cctctgtaga 90
 <210> 501
 <211> 63
 <212> DNA
 <213> Cucumber green mottle mosaic virus
 <400> 501
 tttggcttg gatgtggctt atgggtcaca aaagaactat actgcaagat ttcaagccg 60
 gga 63
 <210> 502
 <211> 120
 <212> DNA
 <213> Galinsoga mosaic virus
 <400> 502

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 ggctggcagg gtgggggtgt acttcgacaa agactcacia gatcctgagc ctactgatcg 120
 <210> 503
 <211> 69
 <212> DNA
 <213> Galinsoga mosaic virus
 <400> 503
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 actcttacc 69
 <210> 504
 <211> 76
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 504
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 attttaaac aacttc 76
 <210> 505
 <211> 72
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 505
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 aatttctaca gc 72
 <210> 506
 <211> 130
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 506
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 agcttaaaca 130
 <210> 507
 <211> 110
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 507
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 gtaaccagcg actatttaaa attaattaat acgtattgtg ttttgatac 110
 <210> 508
 <211> 68
 <212> DNA
 <213> Lymphocystis disease virus 1
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 caacggta 68
 <210> 509
 <211> 115
 <212> DNA
 <213> murid herpesvirus 4
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<210> 510
<211> 109
<212> DNA
<213> murid herpesvirus 4
<400> 510
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atatactcac aagcttgggt caatatattaa tctgagtacg cggctctgt 109
<210> 511
<211> 69
<212> DNA
<213> murid herpesvirus 4
<400> 511
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ttagccctt 69
<210> 512
<211> 76
<212> DNA
<213> murid herpesvirus 4
<400> 512
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ttttctaaga ttggac 76
<210> 513
<211> 92
<212> DNA
<213> murid herpesvirus 4
<400> 513
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ctatggatag atatggaggt ctgcttgag ga 92
<210> 514
<211> 84
<212> DNA
<213> murid herpesvirus 4
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atcaccagtc ggggacccaa tgta 84
<210> 515
<211> 76
<212> DNA
<213> murid herpesvirus 4
<400> 515
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tgcatgcccc ccggga 76
<210> 516
<211> 61
<212> DNA
<213> Common chimpanzee papillomavirus 1
<400> 516
gccacattgg accacaggtg gtgccacat tacaggtatc acagactaag ggacatgagg 60

<210> 517

<211> 76

<212> DNA

<213> Equine herpesvirus 4

<400> 517

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atcaaataata ttatgg 76

<210> 518

<211> 76

<212> DNA

<213> Murine hepatitis virus

<400> 518

tggccccgta agaggcagtc atagctatgg ccgtgttggt cctaaggcta cattggctgc 60

tgtctttatt ggtcca 76

<210> 519

<211> 83

<212> DNA

<213> Turnip vein-clearing virus

<400> 519

tagtctcgta cgaacctaa gtgagtgatt tctcaatct ttcgaagaag gaagagatct 60

tgccgaaggc tctaacgagg tta 83

<210> 520

<211> 100

<212> DNA

<213> Orgyia pseudotsugata single capsid nuclear polyhedrosis virus

<400> 520

tgcctcgagg gctgcacggt ttacacgtgc acgaattcgg cgacaccagc aacggctgca 60

cgctccgctgg cgagcacttt aacccacccc gccagagaca 100

<210> 521

<211> 87

<212> DNA

<213> Hendra virus

<400> 521

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acaccaccca atccaagcac catccat 87

<210> 522

<211> 84

<212> DNA

<213> Ateline herpesvirus 3

<400> 522

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tgccatttgt atttgctatg ttgt 84

<210> 523

<211> 102

<212> DNA

<213> Ateline herpesvirus 3

<400> 523

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aagatagtta agacgaagtt gtccagaaaa gcagagatac ta 102

<210> 524
 <211> 71
 <212> DNA
 <213> Ateline herpesvirus 3
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 gcgatcacag c 71
 <210> 525
 <211> 130
 <212> DNA
 <213> Bovine respiratory syncytial virus
 <400> 525
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 atagaaggtt 130
 <210> 526
 <211> 98
 <212> DNA
 <213> Bovine respiratory syncytial virus
 <400> 526
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 tctaagatta tacaatggcc atataagtat agattatg 98
 <210> 527
 <211> 69
 <212> DNA
 <213> Bovine respiratory syncytial virus
 <400> 527
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 attgaatca 69
 <210> 528
 <211> 130
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 528
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 ataaatgatc 130
 <210> 529
 <211> 129
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 529
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 taattttaca atatcatgat aaattacatt gggaatatat agctaaacat caaattttat 120
 cagaatact 129
 <210> 530
 <211> 58
 <212> DNA
 <213> infectious spleen and kidney necrosis virus
 <400> 530

acctgccact gtgtgtatgt gtttaaataa acatataaca tgacattttt tggctggt 58
 <210> 531
 <211> 86
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 531
 atataaatta gatgattcat ttccattatt tacaacaaaa tcaatgtttt ggagaggaat 60
 tgttgaagaa ttattatggt ttatat 86
 <210> 532
 <211> 108
 <212> DNA
 <213> Peanut stunt virus
 <400> 532
 ctgacaccog gttagctgag agagcttccg ccatgctgga gtatgttgcg tatgaacgtc 60
 aattacatca gaatgttatt tcgaatcttc agcggatttg gtgttcag 108
 <210> 533
 <211> 97
 <212> DNA
 <213> Peanut stunt virus
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 gcagcacaga t 131
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 <213> Bovine parainfluenza virus 3
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 <212> DNA
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 tcgtgtta 128
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 agagctaaca tgctaataata taatactagc 90
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 <212> DNA
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 <213> Fowlpox virus
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 <212> DNA
 <213> Fowlpox virus
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 cca 123
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 <212> DNA
 <213> Fowlpox virus
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 gat 123
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 <211> 87
 <212> DNA
 <213> Fowlpox virus
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 <213> Fowlpox virus
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 cgga 64
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 gtat 124
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 <211> 74
 <212> DNA
 <213> Gallid herpesvirus 2
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 <211> 96
 <212> DNA
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ttacttttt tccgtattga atatttatga tattgg 96

<210> 573

<211> 61

<212> DNA

<213> Gallid herpesvirus 2

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<211> 87

<212> DNA

<213> Gallid herpesvirus 2

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<211> 63

<212> DNA

<213> Gallid herpesvirus 2

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gca 63

<210> 576

<211> 93

<212> DNA

<213> Gallid herpesvirus 2

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<211> 77

<212> DNA

<213> Gallid herpesvirus 2

<400> 577

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ctactgatac cgcttc 77

<210> 578

<211> 74

<212> DNA

<213> Gallid herpesvirus 2

<400> 578

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gccacgtgta ctcc 74

<210> 579

<211> 73

<212> DNA

<213> Gallid herpesvirus 2

<400> 579

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 <213> Northern cereal mosaic virus
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 aatctggtaa gt 72
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 <211> 73
 <212> DNA
 <213> Northern cereal mosaic virus
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 <211> 121
 <212> DNA
 <213> Northern cereal mosaic virus
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 <213> Transmissible gastroenteritis virus
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 <211> 99
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 <212> DNA
 <213> Transmissible gastroenteritis virus
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 <211> 65
 <212> DNA
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 <212> DNA
 <213> Transmissible gastroenteritis virus
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 <211> 82
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 <211> 89
 <212> DNA
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 <211> 108
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 <212> DNA
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 <212> DNA
 <213> Rice grassy stunt virus
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<211> 103
 <212> DNA
 <213> Rice grassy stunt virus
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 <212> DNA
 <213> Rice grassy stunt virus
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 <213> Hepatitis GB virus C
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 <211> 86
 <212> DNA
 <213> Turkey astrovirus
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 <211> 78
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 <210> 621
 <211> 118
 <212> DNA
 <213> Cherry mottle leaf virus
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 <211> 101
 <212> DNA
 <213> Cherry mottle leaf virus
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 <212> DNA
 <213> Frog adenovirus 1
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 <212> DNA
 <213> Turnip mosaic virus
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 <211> 81
 <212> DNA
 <213> Turnip mosaic virus
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 <213> Rat cytomegalovirus
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 <212> DNA
 <213> Rat cytomegalovirus
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 ggtcttcag ctgccgcgtt g 81

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 <212> DNA
 <213> Parvovirus H1
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 <212> DNA
 <213> Parvovirus H1
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 <212> DNA
 <213> Lactate dehydrogenase-elevating virus
 <400> 632
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 ggcttggtgc tgagcggtagc 86
 <210> 633
 <211> 116
 <212> DNA
 <213> acute bee paralysis virus
 <400> 633
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 <213> acute bee paralysis virus
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 gggtttccca tggatagc 78
 <210> 635
 <211> 111
 <212> DNA
 <213> acute bee paralysis virus
 <400> 635
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<211> 87
 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 636
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 <211> 77
 <212> DNA
 <213> Meleagrid herpesvirus 1
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 catagataag tatttgc 77
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 <211> 94
 <212> DNA
 <213> Meleagrid herpesvirus 1
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 <212> DNA
 <213> Meleagrid herpesvirus 1
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 tgactg 126
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 <212> DNA
 <213> Meleagrid herpesvirus 1
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<212> DNA
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 <213> Meleagrid herpesvirus 1
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 <211> 53
 <212> DNA
 <213> Heliothis zea virus 1 (HZV-1)
 <400> 647
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 <210> 648
 <211> 87
 <212> DNA
 <213> Vaccinia virus
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 acgatgtatt gtttagttac tcttgg 87
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 <211> 62
 <212> DNA
 <213> Rachiplusia ou multiple nucleopolyhedrovirus
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 gt 62
 <210> 650
 <211> 130
 <212> DNA
 <213> Rachiplusia ou multiple nucleopolyhedrovirus

<400> 650

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<210> 651

<211> 53

<212> DNA

<213> Rachiplusia ou multiple nucleopolyhedrovirus

<400> 651

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<211> 74

<212> DNA

<213> Yaba-like disease virus

<400> 652

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<210> 653

<211> 130

<212> DNA

<213> Fowlpox virus

<400> 653

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<210> 654

<211> 109

<212> DNA

<213> Fowlpox virus

<400> 654

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<210> 655

<211> 84

<212> DNA

<213> Yaba-like disease virus

<400> 655

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<210> 656

<211> 96

<212> DNA

<213> Yaba-like disease virus

<400> 656

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<210> 657

<211> 87

<212> DNA

<213> Yaba-like disease virus

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 <211> 62
 <212> DNA
 <213> Yaba-like disease virus
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 <211> 131
 <212> DNA
 <213> Human coronavirus 229E
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 tacttcaaaa t 131
 <210> 660
 <211> 130
 <212> DNA
 <213> Human coronavirus 229E
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 <211> 112
 <212> DNA
 <213> Human coronavirus 229E
 <400> 661
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 <211> 129
 <212> DNA
 <213> Human coronavirus 229E
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<213> Human coronavirus 229E
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 gcaaagaaag gtatttctg tattatgtct g 91
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 <211> 90
 <212> DNA
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 <211> 105
 <212> DNA
 <213> Human coronavirus 229E
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 <212> DNA
 <213> Human coronavirus 229E
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 <212> DNA
 <213> Human coronavirus 229E
 <400> 668
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 catc 124
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 <212> DNA
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 aaaatgggca tc 72
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 <212> DNA
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 <211> 131
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<213> Human coronavirus 229E
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 <211> 87
 <212> DNA
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 <212> DNA
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 <211> 94
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<213> Human coronavirus 229E
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 <212> DNA
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 <211> 58
 <212> DNA
 <213> Potato virus V
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 <211> 126
 <212> DNA
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 <213> Cercopithecine herpesvirus 7
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 <211> 113
 <212> DNA
 <213> Ectocarpus siliculosus virus
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 <212> DNA

<213> Ectocarpus siliculosus virus
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 cgtgaactac ttgagaac 79
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 <211> 108
 <212> DNA
 <213> Tomato mosaic virus
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 <211> 90
 <212> DNA
 <213> Tomato mosaic virus
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<212> DNA
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 <212> DNA
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 <212> DNA
 <213> deer tick virus
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 <212> DNA
 <213> Zucchini yellow mosaic virus
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 <212> DNA
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 <212> DNA
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 <211> 109
 <212> DNA
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 <400> 775
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 <211> 128
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 <213> shrimp white spot syndrome virus (white spot bacilliform virus)
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 <212> DNA
 <213> Feline immunodeficiency virus
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 <211> 93
 <212> DNA
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 <212> DNA
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 <211> 89
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 <213> Human herpesvirus 6
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 <212> DNA
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 <212> DNA
 <213> African swine fever virus
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 caactcattg 70
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<212> DNA
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 taaggaagta actgtg 76
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 aatctgtaat 130
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 <212> DNA
 <213> Monkeypox virus
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 <212> DNA
 <213> Gallid herpesvirus 2
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 ccgcagaata gcttcttga gggga 85
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 <211> 95
 <212> DNA
 <213> Lymphocystis disease virus 1
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 ttcttgggc ataaatcata ccacaggtac cttt 95
 <210> 836
 <211> 76
 <212> DNA
 <213> Lymphocystis disease virus 1
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 tgggatcaca gaagcc 76
 <210> 837
 <211> 78
 <212> DNA
 <213> Lymphocystis disease virus 1
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 <211> 130
 <212> DNA
 <213> Molluscum contagiosum virus
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<211> 84
 <212> DNA
 <213> Ectromelia virus
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 <210> 840
 <211> 87
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
 <400> 840
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 tacgtttgac caaagcagga tctactg 87
 <210> 841
 <211> 95
 <212> DNA
 <213> African swine fever virus
 <400> 841
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 gttggatagt atcgaggaa ctcggtgttg ttct 95
 <210> 842
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 <212> DNA
 <213> African swine fever virus
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 <210> 843
 <211> 107
 <212> DNA
 <213> Ectromelia virus
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 <211> 70
 <212> DNA
 <213> Ectromelia virus
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 <210> 845
 <211> 65
 <212> DNA
 <213> Camelpox virus
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 agtca 65
 <210> 846
 <211> 63

<212> DNA
 <213> Camelpox virus
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 <212> DNA
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 <212> DNA
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 <211> 99
 <212> DNA
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 <211> 112
 <212> DNA
 <213> Swinepox virus
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 <211> 60
 <212> DNA
 <213> Swinepox virus
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 <212> DNA
 <213> turkey adenovirus 3

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 aagt 124
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 <211> 75
 <212> DNA
 <213> turkey adenovirus 3
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 <212> DNA
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 <211> 55
 <212> DNA
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 <212> DNA
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 <211> 64
 <212> DNA
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<210> 861

<211> 107

<212> DNA

<213> Human herpesvirus 5

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<211> 108

<212> DNA

<213> Human herpesvirus 5

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<210> 863

<211> 87

<212> DNA

<213> Human herpesvirus 5

<400> 863

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<211> 99

<212> DNA

<213> Swinepox virus

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<211> 54

<212> DNA

<213> Amsacta moorei entomopoxvirus

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<211> 127

<212> DNA

<213> Gallid herpesvirus 3

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<212> DNA

<213> Gallid herpesvirus 3

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 <211> 110
 <212> DNA
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 <211> 76
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 <213> Human adenovirus E
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 <211> 67
 <212> DNA
 <213> Vaccinia virus
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 <210> 873
 <211> 79
 <212> DNA
 <213> Vaccinia virus
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 <211> 130
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 <213> Human herpesvirus 4
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 <210> 876
 <211> 89
 <212> DNA
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 <211> 63
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 <213> Periplaneta fuliginosa densovirus
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 <213> Periplaneta fuliginosa densovirus
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<211> 118
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 <212> DNA
 <213> Cowpea mottle virus
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 <210> 887
 <211> 96
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 <213> Sulfolobus virus SIRV-1
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<212> DNA
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 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Human herpesvirus 4
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 <213> Melanoplus sanguinipes entomopoxvirus
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 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Human herpesvirus 6
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 <212> DNA
 <213> Carnation Italian ringspot virus
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 <212> DNA
 <213> Carnation Italian ringspot virus
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 <211> 100
 <212> DNA
 <213> Tomato bushy stunt virus
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 <210> 940
 <211> 126
 <212> DNA
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 <212> DNA
 <213> Tomato spotted wilt virus
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 <212> DNA
 <213> Tomato spotted wilt virus
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 <212> DNA
 <213> Tomato spotted wilt virus
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 <211> 92
 <212> DNA
 <213> Tomato spotted wilt virus
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 <211> 64
 <212> DNA
 <213> lumpy skin disease virus
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<212> DNA
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 <211> 119
 <212> DNA
 <213> Goatpox virus
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 <211> 123
 <212> DNA
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 <211> 108
 <212> DNA
 <213> Meleagrid herpesvirus 1
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 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
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 <210> 960
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 <212> DNA

<213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Variola virus
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 <212> DNA
 <213> Camelpox virus
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<212> DNA
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 <211> 124
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 <213> Ectromelia virus
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 <213> Cowpox virus
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 <211> 92
 <212> DNA
 <213> Leishmania RNA virus 1-4
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 <212> DNA
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 <211> 58
 <212> DNA

<213> Leishmania RNA virus 1-4
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 <212> DNA
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 <213> Cowpox virus
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 <211> 89
 <212> DNA
 <213> Broad bean necrosis virus

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 <212> DNA
 <213> Beet western yellows virus
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 <210> 1004
 <211> 58
 <212> DNA
 <213> Beet western yellows virus
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 <211> 66
 <212> DNA
 <213> Beet western yellows virus
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 <212> DNA
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 <210> 1008
 <211> 55
 <212> DNA
 <213> Cereal yellow dwarf virus - RPV
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 <213> Cereal yellow dwarf virus - RPV
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<213> Cereal yellow dwarf virus - RPV

<400> 1010

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<211> 57

<212> DNA

<213> Cereal yellow dwarf virus - RPV

<400> 1011

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<210> 1012

<211> 53

<212> DNA

<213> Cereal yellow dwarf virus - RPV

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<210> 1013

<211> 58

<212> DNA

<213> ictalurid herpesvirus 1

<400> 1013

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<210> 1014

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<212> DNA

<213> ictalurid herpesvirus 1

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<210> 1015

<211> 65

<212> DNA

<213> Barley yellow dwarf virus - PAV

<400> 1015

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<210> 1016

<211> 92

<212> DNA

<213> Beet mild yellowing virus

<400> 1016

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<210> 1017

<211> 65

<212> DNA

<213> Beet mild yellowing virus

<400> 1017

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 <213> Cercopithecine herpesvirus 7
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 <212> DNA
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 <212> DNA
 <213> Molluscum contagiosum virus
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<211> 92
 <212> DNA
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 <211> 112
 <212> DNA
 <213> Molluscum contagiosum virus
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> White clover mosaic virus
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 <211> 97
 <212> DNA
 <213> Human herpesvirus 8
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 <213> Strawberry mild yellow edge virus
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 <213> Mayaro virus
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 <213> Mayaro virus
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<213> Potato mop-top virus
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 <212> DNA
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 <212> DNA
 <213> porcine epidemic diarrhea virus

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 <212> DNA
 <213> porcine epidemic diarrhea virus
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 tcttaaag 128
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 <212> DNA
 <213> Poinsettia mosaic virus
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 ctgg 65
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 <213> Poinsettia mosaic virus
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 <213> Poinsettia mosaic virus
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 <212> DNA
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 <213> Strawberry mottle virus
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 ttattacaca ggcttagcca tgttgactac t 91
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 <213> Strawberry mottle virus
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 <211> 90
 <212> DNA
 <213> African swine fever virus
 <400> 1085
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 <213> Strawberry mottle virus
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 ctttattccg gacaagggtt tc 82
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 <211> 65
 <212> DNA
 <213> African swine fever virus
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 cattc 65
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 <211> 68
 <212> DNA
 <213> African swine fever virus
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 gtgtgcac 68

<210> 1089
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 <211> 130
 <212> DNA
 <213> Human herpesvirus 2
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 <212> DNA
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 accacacca c 131
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 <212> DNA
 <213> Porcine adenovirus C
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 ggactga 67
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 <211> 117
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 <210> 1095
 <211> 91
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 <213> Duck adenovirus 1
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 <212> DNA
 <213> Camelpox virus
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 tatctattat 70
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 <212> DNA
 <213> Camelpox virus
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 <213> Camelpox virus
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 <210> 1100
 <211> 79
 <212> DNA
 <213> Camelpox virus
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 attttattac atttcatg 79
 <210> 1101
 <211> 88
 <212> DNA
 <213> Camelpox virus
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 ttctaacttg gcccgatat tcgagaaa 88
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 <212> DNA
 <213> Monkeypox virus
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 aatgacgat 69
 <210> 1103

<211> 130
 <212> DNA
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 gtagctaagt 130
 <210> 1104
 <211> 78
 <212> DNA
 <213> Monkeypox virus
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 aacatatgat attcggtc 78
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 <211> 63
 <212> DNA
 <213> Camelpox virus
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 tct 63
 <210> 1106
 <211> 95
 <212> DNA
 <213> Monkeypox virus
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 cgttttcac tttatcacc atatagttc taaga 95
 <210> 1107
 <211> 131
 <212> DNA
 <213> Saimiriine herpesvirus 2
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 <212> DNA
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 <213> Saimiriine herpesvirus 2
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 <212> DNA
 <213> Saimiriine herpesvirus 2
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 catttatttt aa 72
 <210> 1112
 <211> 70
 <212> DNA
 <213> Ononis yellow mosaic virus
 <400> 1112
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 tggaggggtg 70
 <210> 1113
 <211> 89
 <212> DNA
 <213> Barley stripe mosaic virus
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 acatgcgaaa atcactgatg gaatgggtt 89
 <210> 1114
 <211> 129
 <212> DNA
 <213> Barley stripe mosaic virus
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 gttttcagt 129
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 <211> 107
 <212> DNA
 <213> Barley stripe mosaic virus
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 gctctaaaag ttcattacgg cgccataatg ttctgtgctg ataagct 107
 <210> 1116
 <211> 123
 <212> DNA
 <213> Barley stripe mosaic virus
 <400> 1116
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cgg 123

<210> 1117

<211> 131

<212> DNA

<213> Barley stripe mosaic virus

<400> 1117

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<210> 1118

<211> 87

<212> DNA

<213> Barley stripe mosaic virus

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gtcattactt ggtggagaat ggcagga 87

<210> 1119

<211> 79

<212> DNA

<213> maize rayado fino virus

<400> 1119

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gtgatctgac ggccccat 79

<210> 1120

<211> 64

<212> DNA

<213> maize rayado fino virus

<400> 1120

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atgc 64

<210> 1121

<211> 128

<212> DNA

<213> maize rayado fino virus

<400> 1121

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gaacagcc 128

<210> 1122

<211> 65

<212> DNA

<213> Beet mild yellowing virus

<400> 1122

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<210> 1123

<211> 84

<212> DNA

<213> Beet mild yellowing virus

<400> 1123

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 <212> DNA
 <213> Chayote mosaic tymovirus
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 gtgagtgggc 130
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 <212> DNA
 <213> Chayote mosaic tymovirus
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 ctggaattg gt 72
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 <211> 95
 <212> DNA
 <213> Chayote mosaic tymovirus
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 ggatccgaga cgccaagggt tcggacggcc cgagt 95
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 <211> 57
 <212> DNA
 <213> Bamboo mosaic virus
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 <212> DNA
 <213> Bamboo mosaic virus
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 <211> 119
 <212> DNA
 <213> Bamboo mosaic virus
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 <212> DNA
 <213> Bamboo mosaic virus
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 ggcagatgct gttg 74
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 <211> 61
 <212> DNA
 <213> Fowlpox virus
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 c 61
 <210> 1133
 <211> 81
 <212> DNA
 <213> Fowlpox virus
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 cgaatgtatt ttatattct a 81
 <210> 1134
 <211> 118
 <212> DNA
 <213> Cercopithecine herpesvirus 7
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 <212> DNA
 <213> Cercopithecine herpesvirus 7
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 <211> 88
 <212> DNA
 <213> Cowpox virus
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 gagagaaaga gaataaaaat attttgt 88
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<211> 76
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 <213> Cowpox virus
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 <211> 85
 <212> DNA
 <213> Cowpox virus
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 tatcgattca gacacacgct ataag 85
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 <212> DNA
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 <211> 92
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 <213> Swinepox virus
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 <213> Meleagrid herpesvirus 1
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 <213> Ectromelia virus
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 <211> 79
 <212> DNA
 <213> Cucumber green mottle mosaic virus

<400> 1152
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 caaaattaag taatcccgt 79
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 <213> Cucumber green mottle mosaic virus
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 <213> Rana tigrina ranavirus
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 <213> Melanoplus sanguinipes entomopoxvirus
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 <211> 130
 <212> DNA
 <213> Cucumber fruit mottle mosaic virus
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 <212> DNA
 <213> Cucumber fruit mottle mosaic virus
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 aaagattctg cctcactctt actttt 86
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 <211> 128
 <212> DNA
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 <212> DNA
 <213> Rift Valley fever virus
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 <212> DNA
 <213> Rift Valley fever virus
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 <211> 58
 <212> DNA
 <213> Rift Valley fever virus
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 <212> DNA
 <213> Odontoglossum ringspot virus
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 <212> DNA
 <213> Odontoglossum ringspot virus
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 <212> DNA
 <213> Odontoglossum ringspot virus
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 <212> DNA

<213> Odontoglossum ringspot virus
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 <213> A-2 plaque virus
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 <213> Human enterovirus C
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<213> Human enterovirus C
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 <213> Human enterovirus C
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 tctgtacaca tgggtgcgat ggtcac 86
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<213> Human enterovirus A
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 <213> Beet virus Q
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 <213> Saimiriine herpesvirus 2
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 <211> 87
 <212> DNA
 <213> Grapevine fleck virus
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 <212> DNA
 <213> Swinepox virus
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 <213> Swinepox virus
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 aacatggaga cgctgatgat gtaggcattc ttcatt 96
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 <211> 89
 <212> DNA
 <213> Vaccinia virus
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 <213> Vaccinia virus
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 <211> 59
 <212> DNA
 <213> Yaba-like disease virus
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 <210> 1284
 <211> 91
 <212> DNA
 <213> Yaba-like disease virus
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 aaaaaagaaa gttatacact gttttgtaga t 91
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 <212> DNA
 <213> Yaba-like disease virus
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 <212> DNA
 <213> Yaba-like disease virus
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 atgttaggaa ccaaaatgta aacttttta aatctaga 98
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 <211> 130
 <212> DNA
 <213> Yaba-like disease virus
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 aattaagaga 130
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 <211> 61
 <212> DNA
 <213> Human herpesvirus 5
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 <210> 1289
 <211> 92
 <212> DNA
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 <210> 1290
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 <212> DNA
 <213> Human herpesvirus 5
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 <212> DNA
 <213> Foot-and-mouth disease virus SAT 2 (FMDV-SAT2)
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 <212> DNA
 <213> Foot-and-mouth disease virus SAT 2 (FMDV-SAT2)
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 tgcctctg 128
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 <212> DNA
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 <212> DNA
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 <211> 87
 <212> DNA
 <213> Human adenovirus D
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 aaaccatctg acactacaac ctcatatc 87
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 <212> DNA
 <213> Human adenovirus D
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Foot-and-mouth disease virus C
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 <212> DNA
 <213> Foot-and-mouth disease virus C
 <400> 1301
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 <210> 1302
 <211> 65
 <212> DNA
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 <211> 110
 <212> DNA
 <213> Foot-and-mouth disease virus O
 <400> 1303
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 <212> DNA
 <213> Foot-and-mouth disease virus O
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 <212> DNA
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 <210> 1307
 <211> 130
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Garlic latent virus
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 ccaagat 67
 <210> 1309
 <211> 95
 <212> DNA
 <213> Garlic latent virus
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 <212> DNA
 <213> Garlic latent virus
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 <211> 115
 <212> DNA
 <213> Garlic latent virus
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 <211> 83
 <212> DNA
 <213> Myxoma virus
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 <213> Myxoma virus
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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ttataaagta g 131
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<212> DNA
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ttaa 64
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<211> 89
<212> DNA
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<213> Variola virus
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cgc 63
<210> 1325
<211> 101
<212> DNA
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<211> 131
<212> DNA
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<400> 1327
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<211> 111
<212> DNA
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 <211> 72
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 <213> Fowlpox virus
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<211> 66
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 <213> Triatoma virus
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<211> 70

<212> DNA

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gaaactgtc 70

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<211> 98

<212> DNA

<213> Duck adenovirus 1

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<211> 111

<212> DNA

<213> Human herpesvirus 6

<400> 1352

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<211> 120

<212> DNA

<213> Human herpesvirus 6

<400> 1353

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<212> DNA

<213> Human herpesvirus 6

<400> 1354

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<211> 115

<212> DNA

<213> Human herpesvirus 6

<400> 1355

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<211> 76

<212> DNA

<213> Human herpesvirus 6

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 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 gtgagagata gcttgcttta acacatatcc cacagggtt 99
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 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 acatagcttt tccaacaagc aactagc 87
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<211> 106
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 <212> DNA
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 cggagccggtt ggtgataaga tctcaaagcc ggatcc 96
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 <211> 98
 <212> DNA
 <213> Himetobi P virus
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 agatcctgta acacatagta taagtgcatt taatccag 98
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 <212> DNA
 <213> Himetobi P virus
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 cttatcttct aaataatcag atct 84
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 <212> DNA
 <213> Himetobi P virus
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 gaaagtgatg aggcatatc gcaatt 86
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 <213> Himetobi P virus
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 tagggggaga tatatggtag tcgcagtga 90
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 ca 122
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<211> 72
 <212> DNA
 <213> Himetobi P virus
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 caagctctc ca 72
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 <211> 129
 <212> DNA
 <213> Himetobi P virus
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 agatcggaa 129
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 <212> DNA
 <213> Himetobi P virus
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 <211> 80
 <212> DNA
 <213> Cercopithecine herpesvirus 7
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 gaagagttgt attttgtatt 80
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 <211> 69
 <212> DNA
 <213> Cercopithecine herpesvirus 7
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 tgggtgatt 69
 <210> 1376
 <211> 65
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 1376
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 ttgaa 65
 <210> 1377
 <211> 120
 <212> DNA
 <213> Wheat streak mosaic virus
 <400> 1377
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<211> 94
 <212> DNA
 <213> Wheat streak mosaic virus
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 <212> DNA
 <213> Wheat streak mosaic virus
 <400> 1379
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 <210> 1380
 <211> 65
 <212> DNA
 <213> Wheat streak mosaic virus
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 cgtgc 65
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 <211> 100
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
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 <211> 116
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 1382
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 <210> 1383
 <211> 116
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 1383
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 <211> 58
 <212> DNA
 <213> Perina nuda picorna-like virus
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 <210> 1385
 <211> 93
 <212> DNA

<213> Perina nuda picorna-like virus
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 <212> DNA
 <213> Perina nuda picorna-like virus
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 <400> 1387
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 gctgtc 126
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 <212> DNA
 <213> Perina nuda picorna-like virus
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 accgcatagt caaacccctt aacacaggag t 91
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 <213> Perina nuda picorna-like virus
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 <212> DNA
 <213> Perina nuda picorna-like virus
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 accggcacat gaaaaacggg cacatttaca taaatattgg gaa 103
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 <211> 100
 <212> DNA
 <213> Perina nuda picorna-like virus

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 <211> 65
 <212> DNA
 <213> acute bee paralysis virus
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 ttggg 65
 <210> 1394
 <211> 110
 <212> DNA
 <213> acute bee paralysis virus
 <400> 1394
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 cttagaaatc actttggacc acttatcaaa tacatatcc tcatgcatag 110
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 <211> 122
 <212> DNA
 <213> acute bee paralysis virus
 <400> 1395
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 gg 122
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 <211> 88
 <212> DNA
 <213> acute bee paralysis virus
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 ttccatctaa ctgagtcaag tccgggga 88
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 <212> DNA
 <213> acute bee paralysis virus
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 tacgtgtata 130
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 <212> DNA
 <213> Bean yellow mosaic virus
 <400> 1398
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 aattgtatgt tggccttca ggtctctct tttggcctgt atgcgaggtt ttctaattgt 120
 tcttttgtaa t 131
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<212> DNA
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 <210> 1400
 <211> 68
 <212> DNA
 <213> Bean yellow mosaic virus
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 cgtgggtc 68
 <210> 1401
 <211> 69
 <212> DNA
 <213> Bean yellow mosaic virus
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 aagtcacca 69
 <210> 1402
 <211> 61
 <212> DNA
 <213> Ryegrass mosaic virus
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 <211> 74
 <212> DNA
 <213> Ryegrass mosaic virus
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 ttgctaagtc gacc 74
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 <211> 129
 <212> DNA
 <213> Ryegrass mosaic virus
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 aagtaagat 129
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 <211> 87
 <212> DNA
 <213> Ryegrass mosaic virus
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 gttaagtttc atagttcgtc catcaac 87
 <210> 1406
 <211> 110
 <212> DNA

<213> Hepatitis GB virus A
 <400> 1406
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 <211> 55
 <212> DNA
 <213> Hepatitis GB virus A
 <400> 1407
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 <210> 1408
 <211> 76
 <212> DNA
 <213> Hepatitis GB virus A
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 aggaggcggt gctcca 76
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 <211> 87
 <212> DNA
 <213> Hepatitis GB virus A
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 aatcaaagca agtggcatcc acagtta 87
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 <211> 81
 <212> DNA
 <213> Clover yellow vein virus
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 <211> 72
 <212> DNA
 <213> Clover yellow vein virus
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 <211> 62
 <212> DNA
 <213> Clover yellow vein virus
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 <210> 1413
 <211> 60
 <212> DNA
 <213> Clover yellow vein virus
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<211> 65

<212> DNA

<213> Clover yellow vein virus

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<210> 1415

<211> 88

<212> DNA

<213> Clover yellow vein virus

<400> 1415

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<210> 1416

<211> 72

<212> DNA

<213> Clover yellow vein virus

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ttatgtcgcc aa 72

<210> 1417

<211> 77

<212> DNA

<213> Potato virus A

<400> 1417

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caactogaat ctctact 77

<210> 1418

<211> 67

<212> DNA

<213> Potato virus A

<400> 1418

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ccagctg 67

<210> 1419

<211> 75

<212> DNA

<213> Potato virus A

<400> 1419

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<210> 1420

<211> 74

<212> DNA

<213> Potato virus A

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 <211> 63
 <212> DNA
 <213> Potato virus A
 <400> 1422
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 <210> 1423
 <211> 123
 <212> DNA
 <213> Potato virus A
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 aaaatgtgt gaactgctg aagattaga agattgattg ctctaattcg ttgatttct 120
 tga 123
 <210> 1424
 <211> 111
 <212> DNA
 <213> Bean common mosaic necrosis virus
 <400> 1424
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 <212> DNA
 <213> Bean common mosaic necrosis virus
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 <212> DNA
 <213> Bean common mosaic necrosis virus
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gcaatgt 127

<210> 1428

<211> 61

<212> DNA

<213> Bean common mosaic necrosis virus

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<210> 1429

<211> 62

<212> DNA

<213> Pepper mottle virus

<400> 1429

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tt 62

<210> 1430

<211> 131

<212> DNA

<213> Pepper mottle virus

<400> 1430

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tatcattga g 131

<210> 1431

<211> 109

<212> DNA

<213> Pepper mottle virus

<400> 1431

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<210> 1432

<211> 110

<212> DNA

<213> Pepper mottle virus

<400> 1432

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aatgcccac acacctgcg tcaataaaat tcttagttcc ttgcttggtg 110

<210> 1433

<211> 60

<212> DNA

<213> Pepper mottle virus

<400> 1433

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<210> 1434

<211> 55

<212> DNA

<213> Pepper mottle virus

<400> 1434

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<211> 71
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 <210> 1436
 <211> 85
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 1436
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 aactacacag ctgcatggtg tcttg 85
 <210> 1437
 <211> 122
 <212> DNA
 <213> Equine herpesvirus 2
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 <213> Equine herpesvirus 2
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 <210> 1439
 <211> 88
 <212> DNA
 <213> Equine herpesvirus 2
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 <212> DNA
 <213> Equine herpesvirus 2
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 <212> DNA
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 <212> DNA
 <213> Equine herpesvirus 2
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 <212> DNA
 <213> Equine herpesvirus 2
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 <212> DNA
 <213> Equine herpesvirus 2
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 <212> DNA
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 ttcctatct tcgcggtgtt ttgt 84
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 <212> DNA
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 aacgcttttt gaaagccgat acc 83
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 <212> DNA
 <213> Equine herpesvirus 2
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 <211> 84
 <212> DNA
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 cagaccatta ctgctcgtgt ggac 84
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 <212> DNA
 <213> Equine herpesvirus 2
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 caaccctgac gatgcacagt gtttga 87
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 <211> 70
 <212> DNA
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 cttaggacca 70
 <210> 1453
 <211> 83
 <212> DNA
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 cctctcctcc acaccgagtc cca 83
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 <211> 62
 <212> DNA
 <213> Infectious flacherie virus
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 gt 62
 <210> 1455
 <211> 74
 <212> DNA
 <213> Infectious flacherie virus
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<211> 84
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 atatctgttt gaatgctctc atct 84
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 <211> 66
 <212> DNA
 <213> Cocksfoot streak virus (CSV)
 <400> 1457
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 cagttg 66
 <210> 1458
 <211> 57
 <212> DNA
 <213> Cocksfoot streak virus (CSV)
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 <210> 1459
 <211> 62
 <212> DNA
 <213> Cocksfoot streak virus (CSV)
 <400> 1459
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 cc 62
 <210> 1460
 <211> 106
 <212> DNA
 <213> Cocksfoot streak virus (CSV)
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 <211> 61
 <212> DNA
 <213> Cocksfoot streak virus (CSV)
 <400> 1461
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 c 61
 <210> 1462
 <211> 59
 <212> DNA
 <213> Cocksfoot streak virus (CSV)
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 <210> 1463
 <211> 89
 <212> DNA
 <213> Cocksfoot streak virus (CSV)

<400> 1463
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 ccaaagtcc taagcatttc tggatttga 89
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 <211> 80
 <212> DNA
 <213> Brome streak mosaic virus
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 agcaacggcg ttattgagct 80
 <210> 1465
 <211> 95
 <212> DNA
 <213> Brome streak mosaic virus
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 cgagccattc gttgtcctgg ttaagtttt ccatg 95
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 <211> 121
 <212> DNA
 <213> Brome streak mosaic virus
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 c 121
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 <211> 124
 <212> DNA
 <213> Brome streak mosaic virus
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 tgtt 124
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 <211> 68
 <212> DNA
 <213> Brome streak mosaic virus
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 ttgtgagc 68
 <210> 1469
 <211> 130
 <212> DNA
 <213> Brome streak mosaic virus
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 aattttccca 130
 <210> 1470
 <211> 103

<212> DNA
 <213> Gallid herpesvirus 2
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 taatgggtgac cattacatcg gctggatcca atcgaacaac ctg 103
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 <211> 69
 <212> DNA
 <213> Gallid herpesvirus 2
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 <210> 1472
 <211> 91
 <212> DNA
 <213> Gallid herpesvirus 2
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 gaattataat agagacccca tattctagag c 91
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 <211> 95
 <212> DNA
 <213> Gallid herpesvirus 2
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 cgagtctgtc ataacttcat aaatagtctt gtcca 95
 <210> 1474
 <211> 97
 <212> DNA
 <213> Plum pox virus
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 atcgggtctg ctgtgaatga tcgagtttta ttacgct 97
 <210> 1475
 <211> 119
 <212> DNA
 <213> Plum pox virus
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 <210> 1476
 <211> 82
 <212> DNA
 <213> Plum pox virus
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 ttgcgtgttt tcgttccat cc 82
 <210> 1477
 <211> 79
 <212> DNA

<213> Plum pox virus
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 tagcaactga gacttcgcc 79
 <210> 1478
 <211> 115
 <212> DNA
 <213> Johnsongrass mosaic virus
 <400> 1478
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 atgatccact aaaattttg gtatttcgc ttgtaatgt tctggataga atatt 115
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 <211> 98
 <212> DNA
 <213> Johnsongrass mosaic virus
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 actgtccagg gtccttgag atgattctgg tagaactg 98
 <210> 1480
 <211> 79
 <212> DNA
 <213> Johnsongrass mosaic virus
 <400> 1480
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 ggaccagctt cttacagg 79
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 <211> 51
 <212> DNA
 <213> Johnsongrass mosaic virus
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 <210> 1482
 <211> 64
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 1482
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 gtac 64
 <210> 1483
 <211> 82
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 agggctctcg tgtac 75
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 <211> 60
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 <210> 1486
 <211> 131
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 1486
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 acagacacac g 131
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 <211> 131
 <212> DNA
 <213> Aphid lethal paralysis virus
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 <211> 75
 <212> DNA
 <213> Aphid lethal paralysis virus
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 ctagttctaa gttat 75
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 <211> 129
 <212> DNA
 <213> Aphid lethal paralysis virus
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 tacgttgta 129
 <210> 1490
 <211> 89
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 1490
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 cctaccaaca gagtgctgat aatccttca 89
 <210> 1491
 <211> 67
 <212> DNA
 <213> Aphid lethal paralysis virus

<400> 1491
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 <210> 1492
 <211> 131
 <212> DNA
 <213> Aphid lethal paralysis virus
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 <212> DNA
 <213> Aphid lethal paralysis virus
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 <211> 127
 <212> DNA
 <213> Potato virus V
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 gatccgt 127
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 <211> 78
 <212> DNA
 <213> Potato virus V
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 <212> DNA
 <213> Potato virus V
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 <211> 80
 <212> DNA
 <213> Potato virus V
 <400> 1497
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 <210> 1498
 <211> 67

<212> DNA
 <213> Parsnip yellow fleck virus
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 <210> 1499
 <211> 58
 <212> DNA
 <213> Parsnip yellow fleck virus
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 <210> 1500
 <211> 71
 <212> DNA
 <213> Parsnip yellow fleck virus
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 ccatgaaggg c 71
 <210> 1501
 <211> 88
 <212> DNA
 <213> Parsnip yellow fleck virus
 <400> 1501
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 cctcttcac cacaaacctg tattcaat 88
 <210> 1502
 <211> 58
 <212> DNA
 <213> Parsnip yellow fleck virus
 <400> 1502
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 <210> 1503
 <211> 76
 <212> DNA
 <213> Pea seed-borne mosaic virus
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 ttgtttccc tcatt 76
 <210> 1504
 <211> 58
 <212> DNA
 <213> Pea seed-borne mosaic virus
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 <210> 1505
 <211> 104
 <212> DNA
 <213> Pea seed-borne mosaic virus
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 <212> DNA
 <213> Ectromelia virus
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 <210> 1507
 <211> 62
 <212> DNA
 <213> Ectromelia virus
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 gt 62
 <210> 1508
 <211> 83
 <212> DNA
 <213> Ectromelia virus
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 <211> 91
 <212> DNA
 <213> Cowpox virus
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 cctcgtttcc tgtattcttt ttaagatcga g 91
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 <400> 1511
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 <210> 1512
 <211> 92
 <212> DNA
 <213> Ectromelia virus
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 <211> 102
 <212> DNA
 <213> Ectromelia virus
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 <211> 109
 <212> DNA
 <213> Ectromelia virus
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 <211> 60
 <212> DNA
 <213> Ectromelia virus
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 <210> 1518
 <211> 64
 <212> DNA
 <213> Cowpox virus
 <400> 1518
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 <210> 1519
 <211> 62
 <212> DNA
 <213> Cowpox virus
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 <210> 1520
 <211> 79
 <212> DNA
 <213> Cowpox virus

<400> 1520
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 <211> 130
 <212> DNA
 <213> Cowpox virus
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 <211> 102
 <212> DNA
 <213> Cowpox virus
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 <212> DNA
 <213> Cowpox virus
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 <212> DNA
 <213> Monkeypox virus
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 <210> 1525
 <211> 102
 <212> DNA
 <213> Monkeypox virus
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 <210> 1526
 <211> 104
 <212> DNA
 <213> Monkeypox virus
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 aagtcactcg actagataaaa ctacagtaa gttttataga gata 104
 <210> 1527
 <211> 98
 <212> DNA
 <213> Monkeypox virus

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 <211> 65
 <212> DNA
 <213> Variola virus
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 ctttg 65
 <210> 1529
 <211> 91
 <212> DNA
 <213> Vaccinia virus
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 <210> 1530
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 <212> DNA
 <213> Variola virus
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 tcc 63
 <210> 1531
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 <212> DNA
 <213> Variola virus
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 <210> 1532
 <211> 102
 <212> DNA
 <213> Variola virus
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 <213> Macaca mulatta rhadinovirus
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 <212> DNA
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 <212> DNA
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 aacatattct ccccggtcc c 81
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 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 <212> DNA
 <213> Bean common mosaic virus
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 <212> DNA
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 <212> DNA
 <213> Bean common mosaic virus
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 <213> Bean common mosaic virus
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<212> DNA
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 <212> DNA
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 attatagggt ctttt 75
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 <211> 130
 <212> DNA
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 atctaaacat 130
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 <212> DNA
 <213> Rhopalosiphum padi virus
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 cacattttcg 130
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 <211> 130
 <212> DNA
 <213> Rhopalosiphum padi virus
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 <212> DNA
 <213> Rhopalosiphum padi virus
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 <211> 62
 <212> DNA
 <213> Rhopalosiphum padi virus
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62

<210> 1563

<211> 104

<212> DNA

<213> Rhopalosiphum padi virus

<400> 1563

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aatttaggt ctgcaaatgt gttgttttg tccaacaagg aagc 104

<210> 1564

<211> 60

<212> DNA

<213> Rhopalosiphum padi virus

<400> 1564

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<210> 1565

<211> 93

<212> DNA

<213> Rhopalosiphum padi virus

<400> 1565

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cgtaacttt tccccatca tcaacataga tgc 93

<210> 1566

<211> 131

<212> DNA

<213> Rhopalosiphum padi virus

<400> 1566

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gggcttggtt a 131

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<211> 70

<212> DNA

<213> Saimiriine herpesvirus 2

<400> 1567

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tcaggagatt 70

<210> 1568

<211> 73

<212> DNA

<213> Saimiriine herpesvirus 2

<400> 1568

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<210> 1569

<211> 75

<212> DNA

<213> Saimiriine herpesvirus 2

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 <211> 83
 <212> DNA
 <213> Saimiriine herpesvirus 2
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 <211> 60
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 <213> Saimiriine herpesvirus 2
 <400> 1572
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 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 1573
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 <212> DNA
 <213> Ateline herpesvirus 3
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 <211> 131
 <212> DNA
 <213> Ateline herpesvirus 3
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 <212> DNA
 <213> Ateline herpesvirus 3
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 <210> 1578
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 <212> DNA
 <213> Ateline herpesvirus 3
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 <211> 60
 <212> DNA
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 <211> 70
 <212> DNA
 <213> Leek yellow stripe potyvirus
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 <212> DNA
 <213> Leek yellow stripe potyvirus
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 <211> 93
 <212> DNA
 <213> Leek yellow stripe potyvirus
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 <212> DNA
 <213> Leek yellow stripe potyvirus
 <400> 1583
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<210> 1584

<211> 124

<212> DNA

<213> Human adenovirus E

<400> 1584

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<211> 91

<212> DNA

<213> Human adenovirus E

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<211> 107

<212> DNA

<213> Human adenovirus E

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<211> 120

<212> DNA

<213> Human adenovirus E

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<211> 82

<212> DNA

<213> Human adenovirus E

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<212> DNA

<213> Taura syndrome virus

<400> 1589

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<210> 1590

<211> 53

<212> DNA

<213> Taura syndrome virus

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 <212> DNA
 <213> Taura syndrome virus
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 <213> Chimpanzee cytomegalovirus
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <211> 87
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 <213> Yellow fever virus
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 <212> DNA
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 <213> Molluscum contagiosum virus
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<211> 104

<212> DNA

<213> Cercopithecine herpesvirus 7

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<211> 130

<212> DNA

<213> Cercopithecine herpesvirus 7

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ggcactatat 130

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<211> 55

<212> DNA

<213> Cercopithecine herpesvirus 7

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<210> 1650

<211> 75

<212> DNA

<213> Cercopithecine herpesvirus 7

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atagtcccg gggga 75

<210> 1651

<211> 103

<212> DNA

<213> infectious spleen and kidney necrosis virus

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caccgtgtc ttgtgcaccg gttgtatt gataatctgc acg 103

<210> 1652

<211> 67

<212> DNA

<213> infectious spleen and kidney necrosis virus

<400> 1652

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gctgacc 67

<210> 1653

<211> 60

<212> DNA

<213> infectious spleen and kidney necrosis virus

<400> 1653

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<211> 103
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 <210> 1655
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 <212> DNA
 <213> Human adenovirus D
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 <212> DNA
 <213> Human adenovirus D
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 <212> DNA
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 <213> Tick-borne encephalitis virus
 <400> 1658
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 <210> 1659
 <211> 72
 <212> DNA
 <213> Tick-borne encephalitis virus
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 <211> 86
 <212> DNA
 <213> Tick-borne encephalitis virus
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 ctccaccctc attcactagt tccgga 86
 <210> 1661
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<212> DNA
 <213> Viral hemorrhagic septicemia virus
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 <210> 1662
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 <212> DNA
 <213> Viral hemorrhagic septicemia virus
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 <212> DNA
 <213> Viral hemorrhagic septicemia virus
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 <212> DNA
 <213> Viral hemorrhagic septicemia virus
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 <211> 130
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 <213> Viral hemorrhagic septicemia virus
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 <212> DNA
 <213> Vesicular stomatitis Indiana virus
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<211> 77
 <212> DNA
 <213> Vesicular stomatitis Indiana virus
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 <213> Vesicular stomatitis Indiana virus
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 <210> 1670
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 <212> DNA
 <213> Vesicular stomatitis Indiana virus
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 <211> 87
 <212> DNA
 <213> Vesicular stomatitis Indiana virus
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 <210> 1672
 <211> 87
 <212> DNA
 <213> Vesicular stomatitis Indiana virus
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 <211> 63
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 <211> 81
 <212> DNA
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<212> DNA
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 <211> 79
 <212> DNA
 <213> Ectocarpus siliculosus virus
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 <212> DNA
 <213> Ectocarpus siliculosus virus
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 <212> DNA
 <213> Ectocarpus siliculosus virus
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 <212> DNA
 <213> Ectocarpus siliculosus virus
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 <211> 73
 <212> DNA
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<212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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<212> DNA
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 <212> DNA
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 <212> DNA
 <213> Ectocarpus siliculosus virus
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 <212> DNA
 <213> Ectocarpus siliculosus virus
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 <212> DNA
 <213> Semliki forest virus
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<212> DNA
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 <213> Sindbis virus
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 <212> DNA
 <213> Sindbis virus
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 <210> 1702
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 <212> DNA
 <213> Sindbis virus
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 <212> DNA

<213> Molluscum contagiosum virus
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 <212> DNA
 <213> Molluscum contagiosum virus
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 <211> 111
 <212> DNA
 <213> Rat cytomegalovirus
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 <212> DNA
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 <212> DNA
 <213> Myxoma virus
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 <212> DNA
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 <213> Rabies virus
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 <213> Rabies virus
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 <213> Rabies virus
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 gtggtaggat ctctagaag gc 82
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 <213> Rabies virus
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 acttgagta cttatcaaaa ccc 83
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 <211> 65
 <212> DNA
 <213> Rabies virus
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 <213> Rabies virus
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 <211> 82
 <212> DNA
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 <211> 70
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 <211> 94
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 <213> Cercopithecine herpesvirus 7
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 <210> 1732
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<212> DNA
 <213> Cercopithecine herpesvirus 7
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 <212> DNA
 <213> Camelpox virus
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 <211> 114
 <212> DNA
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 <212> DNA
 <213> Camelpox virus
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 <210> 1736
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 <212> DNA
 <213> Camelpox virus
 <400> 1736
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 cgaagagag 129
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 <211> 130
 <212> DNA
 <213> Camelpox virus
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 <211> 77
 <212> DNA
 <213> Camelpox virus
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 <210> 1739

<211> 72
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 <210> 1740
 <211> 59
 <212> DNA
 <213> Camelpox virus
 <400> 1740
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 <210> 1741
 <211> 130
 <212> DNA
 <213> Camelpox virus
 <400> 1741
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 <212> DNA
 <213> Camelpox virus
 <400> 1742
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 tcgataa 67
 <210> 1743
 <211> 126
 <212> DNA
 <213> Camelpox virus
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 <212> DNA
 <213> Camelpox virus
 <400> 1744
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 <211> 94
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
 <400> 1745
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 attactatcc aattacaata aatatcttag ctgt 94

<210> 1746
 <211> 64
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
 <400> 1746
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 tgg 64
 <210> 1747
 <211> 83
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
 <400> 1747
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 gcatcacct cagtctctc aag 83
 <210> 1748
 <211> 65
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
 <400> 1748
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 ttgc 65
 <210> 1749
 <211> 81
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
 <400> 1749
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 cccctctctc cactggaatc c 81
 <210> 1750
 <211> 83
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
 <400> 1750
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 tagcaatgat acaatcagtg gta 83
 <210> 1751
 <211> 122
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
 <400> 1751
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 ta 122
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 <211> 85
 <212> DNA
 <213> Bovine viral diarrhea virus genotype 2 (BVDV-2)
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 actagtagat ccttccggc tgtga 85

<210> 1753
 <211> 58
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1753
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 <210> 1754
 <211> 116
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1754
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 agtttaggcg tatgtataga aaaggtgtca tcatcgagta gttcgccggt ctttac 116
 <210> 1755
 <211> 129
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1755
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 acgaggta 129
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 <211> 109
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1756
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 <211> 130
 <212> DNA
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 tcagcgaagt 130
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 <211> 82
 <212> DNA
 <213> pestivirus type 1
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 gaaagtagta gtacctcga ca 82
 <210> 1759
 <211> 90
 <212> DNA
 <213> Cryphonectria hypovirus 1
 <400> 1759
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 gtcgtgcaat tgtgattgc gctgtaaggt 90

<210> 1760
 <211> 62
 <212> DNA
 <213> Cryphonectria hypovirus 1
 <400> 1760
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 tt 62
 <210> 1761
 <211> 82
 <212> DNA
 <213> Cryphonectria hypovirus 1
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 gccatcttgc gctgtctaca at 82
 <210> 1762
 <211> 130
 <212> DNA
 <213> Cryphonectria hypovirus 1
 <400> 1762
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 atctatcatg 130
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 <211> 105
 <212> DNA
 <213> Cryphonectria hypovirus 1
 <400> 1763
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 <211> 83
 <212> DNA
 <213> Cryphonectria hypovirus 1
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 <211> 85
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 <213> Cryphonectria hypovirus 1
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 cccagtctgc attagcagtc acgtt 85
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gttcgactac 130
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 <211> 64
 <212> DNA
 <213> Cryphonectria hypovirus 1
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 acgg 64
 <210> 1768
 <211> 72
 <212> DNA
 <213> Cryphonectria hypovirus 1
 <400> 1768
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 <211> 102
 <212> DNA
 <213> Fowlpox virus
 <400> 1769
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 cgttactgtt tctatatctt ttattcttac tctatgaaga ct 102
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 <211> 103
 <212> DNA
 <213> Fowlpox virus
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 <211> 90
 <212> DNA
 <213> Fowlpox virus
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 <212> DNA
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 <210> 1773
 <211> 103
 <212> DNA
 <213> Fowlpox virus
 <400> 1773
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<211> 70
 <212> DNA
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 <211> 89
 <212> DNA
 <213> Fowlpox virus
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 agatattaga gaataagaat gatcgcata 89
 <210> 1776
 <211> 76
 <212> DNA
 <213> Rana tigrina ranavirus
 <400> 1776
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 atagtcttta ccctct 76
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 <211> 78
 <212> DNA
 <213> Rana tigrina ranavirus
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 <211> 88
 <212> DNA
 <213> Rana tigrina ranavirus
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 <212> DNA
 <213> Rana tigrina ranavirus
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 <210> 1780
 <211> 70
 <212> DNA
 <213> Rana tigrina ranavirus
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 <211> 81

<212> DNA
 <213> Rana tigrina ranavirus
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 <211> 88
 <212> DNA
 <213> Rana tigrina ranavirus
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 <211> 67
 <212> DNA
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 <210> 1784
 <211> 116
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 <213> Rana tigrina ranavirus
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 <211> 68
 <212> DNA
 <213> Tupaia herpesvirus
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 <211> 79
 <212> DNA
 <213> Tupaia herpesvirus
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 <210> 1787
 <211> 122
 <212> DNA
 <213> Tupaia herpesvirus
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 <211> 96

<212> DNA
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 <212> DNA
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 <212> DNA
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 <210> 1795
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 <212> DNA
 <213> Rana tigrina ranavirus

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 <212> DNA
 <213> Equine herpesvirus 1
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 <211> 104
 <212> DNA
 <213> Equine herpesvirus 1
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 <212> DNA
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 <210> 1799
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 <212> DNA
 <213> Equine herpesvirus 1
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 <212> DNA
 <213> Equine herpesvirus 1
 <400> 1801
 tgcgctgttg gcccgacac ggtattgtgg ttgatttggg ggtacatgag ttgaggcca 60
 ccccatcgcc ggcgactaga ttctgtgggc aagcagcgca 100
 <210> 1802
 <211> 75
 <212> DNA
 <213> Camelpox virus
 <400> 1802

aataactaat ggcaaatgta taaaacaaca aaattatact agagttgtta aagttaatat 60
tttctattag ttgtt 75
<210> 1803
<211> 121
<212> DNA
<213> Variola virus
<400> 1803
agtgacatta gtagggatag aatgttgagc taattttgt aaataactat ctataaaaag 60
attatacaaa gttttaaact ctttagtttc tgccatttat ccagttctgag aaaatgtccc 120
t 121
<210> 1804
<211> 80
<212> DNA
<213> Variola virus
<400> 1804
cacagtttt aatttcttg gtaataaaat tattcactat atcagtatct tctttatcta 60
ccagagattt tactaacttg 80
<210> 1805
<211> 112
<212> DNA
<213> Cryphonectria hypovirus
<400> 1805
cgtcgaccga tcaagtattc tcagcctgtg atgtctcacc aagccgccgc aatctgtggc 60
ttcaaggagg gtgagtacat cgtggatgac gaggaccaga agaggatcga cg 112
<210> 1806
<211> 131
<212> DNA
<213> Cryphonectria hypovirus
<400> 1806
gcagggtcag gtatgccatt gtcacaggcc atggctcgca tctgggatga actacacgac 60
ttacgtctcc gcgaaggagg ccagttcatc atagcagatg ccaaggcata tgacagcaag 120
tgcaagcctg c 131
<210> 1807
<211> 95
<212> DNA
<213> Variola virus
<400> 1807
gccaattcca attgtgtcc gtattgtatt agagtatcga tatgagtaat ggtgtccttg 60
cgttttctg atagaatgcg agcagcgatt ttggc 95
<210> 1808
<211> 82
<212> DNA
<213> Cryphonectria hypovirus
<400> 1808
gctgtaatcc aaacgaatcc taactggaag gtcaactact gttcgactcc aaggcaggaa 60
gcgtttttga aatggattaa gc 82
<210> 1809
<211> 75
<212> DNA
<213> Cryphonectria hypovirus

<400> 1809
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 ctggacgttc tgacc 75
 <210> 1810
 <211> 72
 <212> DNA
 <213> Cryphonectria hypovirus
 <400> 1810
 gtcgaggggtg tagcggccgg tcgttcaatg taccctccgg gatttttggc cggtcgttac 60
 gataccatcg at 72
 <210> 1811
 <211> 60
 <212> DNA
 <213> Vaccinia virus
 <400> 1811
 tggtagtga atattcatgt tgaacataaa actaatattt tatttcaaaa ttattacca 60
 <210> 1812
 <211> 99
 <212> DNA
 <213> Variola virus
 <400> 1812
 tgtccaagat agagagctcc ttgggtgaat ccatctctat gtttcagttt aaccaagaaa 60
 cagtcagctg gtctaaaatt tccatctcta tctaataca 99
 <210> 1813
 <211> 60
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1813
 ctccaagtct ttgttttat acacgcacta atcgcgtaat acaagtaatg ttattcgtag 60
 <210> 1814
 <211> 128
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1814
 ggcgatgcc gatgcattct cgttttgcg ttaatatcta ctccgtgggc taataatagt 60
 ttaatgatac tcagctggg ataaggagat ttcagataca gatgtagcag attgtgtcca 120
 tatacgtc 128
 <210> 1815
 <211> 131
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1815
 tagagaacac attgatgcgt ttgactttg ttaatatata gtaagaactt acatgatcca 60
 tagtgataca cttacaagta tagttctttt atttaagttt atgaagtat atgtataaaa 120
 attgttcttt a 131
 <210> 1816
 <211> 80
 <212> DNA
 <213> Camelpox virus
 <400> 1816

cacagtttt aatttcttg gtaatgaaat tattcactat atcagtatct tctttatcta 60
ccagagattt tactaacttg 80
<210> 1817
<211> 95
<212> DNA
<213> Camelpox virus
<400> 1817
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tgtttctctg atagaatgcg agcagcgatt ttggc 95
<210> 1818
<211> 72
<212> DNA
<213> Camelpox virus
<400> 1818
gccgggcgga gccgaacatt ctccaatatt caattttgt atatctataa tgttattaac 60
ctccgcatag gc 72
<210> 1819
<211> 63
<212> DNA
<213> Camelpox virus
<400> 1819
ggtggaacgt atattttatt taaggactta acaattgtct gtaaaccaca attgcttcc 60
gcc 63
<210> 1820
<211> 130
<212> DNA
<213> Camelpox virus
<400> 1820
tccagatgct atgatattga attggaaaaa taacaaatct attttgatt ttgcaagga 60
ttggttccat aactaaatta acaatagtag taatttttt tcagttatca tctatatgaa 120
tgtatttga 130
<210> 1821
<211> 115
<212> DNA
<213> Fowlpox virus
<400> 1821
aatcaatagt atagttttat ttatttacg tatattcact ttctccatt gtctaataat 60
agttcaaag ttctagaag aatgaaaaac gtagaataac ggcgtatcgt tgatt 115
<210> 1822
<211> 99
<212> DNA
<213> Fowlpox virus
<400> 1822
agagaagcta gtacatctgt tataatagct tccatatttt tcttatccgc caagaacata 60
taatagctat ttattctat tttagaaaac aagctctct 99
<210> 1823
<211> 130
<212> DNA
<213> Fowlpox virus
<400> 1823

agtaaattcg ttaagcaaag aagtaaaatc ttcgtcttta gatattctg gatatacttt 60
 aaatagtaca tgcgagaaaa agtggaagtc gtaataccaa ttctgttctt tgtaatagc 120
 ggttacagct 130
 <210> 1824
 <211> 66
 <212> DNA
 <213> Fowlpox virus
 <400> 1824
 gatgttctat aaataattta ttcagataac atatattgac gaataatttt atttattag 60
 gccatt 66
 <210> 1825
 <211> 77
 <212> DNA
 <213> Fowlpox virus
 <400> 1825
 gctgtagatg taaccgagta tgcgattgcc ataaataatc ctagaaaatc aacgtatatt 60
 tctttacttt ttacagc 77
 <210> 1826
 <211> 87
 <212> DNA
 <213> Cowpea mottle virus
 <400> 1826
 ctgaagaaga tttaggggac tcattccagg atcagcgacg acgctttcgt tgctttgtat 60
 catggcagga ggaacacaat ctatcag 87
 <210> 1827
 <211> 109
 <212> DNA
 <213> Cowpea mottle virus
 <400> 1827
 ggcttccgcg tgtccaacta ggggtgccta aggcgtgtgc cagggtttaa tactagtata 60
 gttcgtggcg aacaccctga catgctgac acgcctagga caggaagcc 109
 <210> 1828
 <211> 84
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1828
 ctgggtatgc agcatgaggt agttgttgat cactcgtctt taagggtgta cgacggatca 60
 ctcttctcat cgcccttgac ccgg 84
 <210> 1829
 <211> 50
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1829
 ctgttccgcc acttatcgta cagtttctgt gggatacgta ggcaaaacag 50
 <210> 1830
 <211> 67
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1830
 ggcgcatctg gaggccgttc tgtaggatgt tgtactgcat cactgtaaaa ttacgaatct 60

ccgtgcc 67

<210> 1831

<211> 109

<212> DNA

<213> Chimpanzee cytomegalovirus

<400> 1831

ggtgatgagg caggtgaaac ccgtgatgcc gatgaaggac atttctgcga taaaggcaaa 60

gtaacgaact tcgtcgatca tcacggcctc gctgaagctg catgtcacc 109

<210> 1832

<211> 94

<212> DNA

<213> Chimpanzee cytomegalovirus

<400> 1832

gttttaggct tagttaccgg ctcttggtgc ctcttagag tagtcgtcct ctaggcttt 60

ggcggtttaa cgatggaac cgtaagtta aaac 94

<210> 1833

<211> 90

<212> DNA

<213> Sonchus yellow net virus

<400> 1833

aacaggatgt gcttcatggt ctaggatct aatcgcttat acatgacctc tgccgtgca 60

tttgaacca tcacggtag caagtctgtt 90

<210> 1834

<211> 61

<212> DNA

<213> Sonchus yellow net virus

<400> 1834

agcctgtccc gagegttgat gtgattcctc ctagtgatgt gacaccaacg ttogaattgc 60

t 61

<210> 1835

<211> 120

<212> DNA

<213> Cowpea chlorotic mottle virus

<400> 1835

atctctgttt aatatggaaa ttaaagttat ggaccaagt ttgccatacg ttgtagtaa 60

gtttcttta gaaactgaaa tgaataactt ggtgtctgtg cctgaccta tgagagagat 120

<210> 1836

<211> 97

<212> DNA

<213> Sonchus yellow net virus

<400> 1836

attgttcgct atggcatata tatttaacgg tgaattatat cccacttccg tgctaattcc 60

catatttatt tcaatgtatg ctaacatagc aatcaat 97

<210> 1837

<211> 103

<212> DNA

<213> Sonchus yellow net virus

<400> 1837

ccccttctat aaacgcgatg tctgcgtctg gcttccccctg ttctgctttt ccgcaagcat 60

catcagtgga catcagagct tcttctgcat catagaagaa agg 103

<210> 1838
 <211> 130
 <212> DNA
 <213> Sonchus yellow net virus
 <400> 1838
 cttgtagcat actatgcagc tottcatta ctgctagtat atcatcctct aattctccat 60
 cacctgcatg atggattgca gactgtact tgctggtag tacctcagag ttcactactg 120
 tgctcttaag 130
 <210> 1839
 <211> 67
 <212> DNA
 <213> Sonchus yellow net virus
 <400> 1839
 ggtgcaattt ccgctcgtgc aatgtgtcgt gtggatggct tatggtattg catcttgaaa 60
 tagcacc 67
 <210> 1840
 <211> 91
 <212> DNA
 <213> Cowpea chlorotic mottle virus
 <400> 1840
 ggtgtgacag tttgtctga gattaattg cagaggtatc agcacatgat aaagtctgat 60
 attaaaccag ttgtctcgga tacgttacac c 91
 <210> 1841
 <211> 117
 <212> DNA
 <213> Sonchus yellow net virus
 <400> 1841
 gttgtttgca tcattatata gatcagggtg gttgattctg tcacttcta tcaaattatt 60
 caaaaattct agaggattcc atattctttg atcatcatat gttaatatgc aagcgac 117
 <210> 1842
 <211> 69
 <212> DNA
 <213> Rice yellow stunt virus
 <400> 1842
 atgtcatgac cctctctcg tcacagtcca gtgatctcat caagactgag ataataaata 60
 ttatgatat 69
 <210> 1843
 <211> 55
 <212> DNA
 <213> Rice yellow stunt virus
 <400> 1843
 ctctagatct ctggacatgc ttgacatctt ttctgcatg tcgagcaaata tagag 55
 <210> 1844
 <211> 114
 <212> DNA
 <213> Rice yellow stunt virus
 <400> 1844
 tagtggaac atagaagctc caggtgtagt ggcttcatga tcgggggggca gttccaata 60
 ggaggtgacc tgatgcatat ccctgcacaa attgttgacg ctatccctcc acta 114
 <210> 1845

<211> 55
 <212> DNA
 <213> Rice yellow stunt virus
 <400> 1845
 tatgtggagt tgggttttta aaatatgaac aatataaaac attgataaat acata 55
 <210> 1846
 <211> 84
 <212> DNA
 <213> Rice yellow stunt virus
 <400> 1846
 tccggtgtta gatccctggt tccatcagct atgtatagta tgctgtctcg gaaaatctga 60
 tgagatctag aatatagccc tgga 84
 <210> 1847
 <211> 70
 <212> DNA
 <213> Rice yellow stunt virus
 <400> 1847
 tgtctgtctt gattagatat cctcaccgtt atgtgattgt tgtcacagat atgttcgtca 60
 gtccaagata 70
 <210> 1848
 <211> 93
 <212> DNA
 <213> Lactate dehydrogenase-elevating virus
 <400> 1848
 cactgaaca gaatagccag tgaacacaga aaaacagggga caatgcaaaa gagaacatca 60
 accttgctag catcactggc agaattctcat tca 93
 <210> 1849
 <211> 68
 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 1849
 agggctctgag gggactaagt ggaggcctga agccgggtta tgatgcaggg tcctgggcct 60
 gagaccct 68
 <210> 1850
 <211> 131
 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 1850
 cccggccgcc ccttgggggt ttcggggaca cggttgctgg ctgccaagac acttagacag 60
 ccctctagtg gccaactaga tgcggggca gccagccacc gtgtccccag aacccccaaag 120
 ggggtggccgg g 131
 <210> 1851
 <211> 103
 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 1851
 cctactatgt tcttattggc ttatggccat agaccctgc ccatatcctt gaaggcagtg 60
 ggccgtgggg ttgctgtgga aacctgccca gtgacgtctt agg 103
 <210> 1852
 <211> 85

<212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 1852
 ggataatggg ggaggtccga atgggggtct gtgggctggc aggcgcggcc tgggccaat 60
 ttcgctca ctccccctct tattc 85
 <210> 1853
 <211> 109
 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 1853
 gtgagtcatg gaagagggc tgaggggact aagtggaggc ctgaagccgg gttatgatgc 60
 agggctctgg gcctgagacc ccaggctct tcccttaggt gtgagtcat 109
 <210> 1854
 <211> 110
 <212> DNA
 <213> Callitrichine herpesvirus 3
 <400> 1854
 tttttagct gatgacagac aaagcatgtt cagatggta atatgtgcag ttagaataca 60
 tgactagtgt gcgtctggag gtagcattgt taaactatca gtataagaaa 110
 <210> 1855
 <211> 131
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 1855
 ggggcggaag accctcatcg ccctctgcct ggctgttcgg gccgctgacc gcctgctgtg 60
 ctgagacga gcgggcgctc acgggtaccc gatggccggg cgaggcgccc cgcccggcgt 120
 cctccgcccc c 131
 <210> 1856
 <211> 74
 <212> DNA
 <213> Fowlpox virus
 <400> 1856
 aataatacta tttagatgaa aaaaattagc ttatcaactt ctgtttcaa ttttcatcg 60
 ttcgattcat tatt 74
 <210> 1857
 <211> 96
 <212> DNA
 <213> Fowlpox virus
 <400> 1857
 attaccgtgt atataaaatc ctttatgtc attggaggc tctgaattat aataatctga 60
 tctaactgat ataacagctt ttacatattt gtagt 96
 <210> 1858
 <211> 103
 <212> DNA
 <213> Fowlpox virus
 <400> 1858
 cgtagatgg ttgataatca ccgtgtgttt ttgtatctt atcagataat gacatatttg 60
 atatttaaca aagtaaaaat cgaccttat tatttatcta acg 103
 <210> 1859
 <211> 72

<212> DNA
 <213> Fowlpox virus
 <400> 1859
 gataggcaaa aaatatgttt acaactggg agaattcaa aatactgttc ggaaatatgt 60
 ttttgttta tt 72
 <210> 1860
 <211> 65
 <212> DNA
 <213> Fowlpox virus
 <400> 1860
 gattctggca tatgtcgagg ctgggttct ttataaggaa cacaatcatc atcgtagtca 60
 tagtc 65
 <210> 1861
 <211> 86
 <212> DNA
 <213> Fowlpox virus
 <400> 1861
 gttaatatcg gtaggggtga gtatatatag accacagata tcacattgat ctccgtgtat 60
 atactacat ttttaccat aatagc 86
 <210> 1862
 <211> 70
 <212> DNA
 <213> Fowlpox virus
 <400> 1862
 ttatatttaa gtctatagg taaagcattc cagtaacat ctgtagtgtat attactcaga 60
 atagatatag 70
 <210> 1863
 <211> 61
 <212> DNA
 <213> Fowlpox virus
 <400> 1863
 ttatatttc atgtagtgtc tgaacaactt gtgtatttta acgctaccct atgatgtata 60
 a 61
 <210> 1864
 <211> 96
 <212> DNA
 <213> Bovine respiratory syncytial virus
 <400> 1864
 aatgcaggtc ttggcggata gaactttga atgtattagt aaatttagct catcacatt 60
 atgattctga ggtttagatt gtaaacatta tgcatt 96
 <210> 1865
 <211> 96
 <212> DNA
 <213> Bovine respiratory syncytial virus
 <400> 1865
 aattagtga ttatacatat cttttaaat aactatatat gaacataatt gatattatat 60
 ggagggtgtg ttgtagatct gtgtagtga ttgatt 96
 <210> 1866
 <211> 69
 <212> DNA

<213> Bovine respiratory syncytial virus

<400> 1866

acaactatat agataatgtg agtttttaaa taactatat gatattacat tacatataat 60
catgggtgt 69

<210> 1867

<211> 96

<212> DNA

<213> Bovine respiratory syncytial virus

<400> 1867

catgtggagg ccattcaaag taattatgac taaaatgaca tttttacca ttaagcaat 60
gtcccctaatt ctcatattg cagggatttc ttcgtg 96

<210> 1868

<211> 71

<212> DNA

<213> Bovine respiratory syncytial virus

<400> 1868

gataattgat tgaatattt agctaattct gaatcactta accttttaga aaatgttatt 60
tcacaattat c 71

<210> 1869

<211> 131

<212> DNA

<213> Bovine respiratory syncytial virus

<400> 1869

gcttcagga tagtatacac cattatgctg aatgggttta ctcataaatt gcatatcacg 60
ggatatatat gtctccgtac cttaagttt atgacctata ctacgatatt cttatacaa 120
caacttaagg c 131

<210> 1870

<211> 100

<212> DNA

<213> Bovine respiratory syncytial virus

<400> 1870

tgattttgag aatacatatt acatggatat tgaaactgta agtagtcaag aacattttga 60
tgacttagta caataacatc atttcattc ttaattagca 100

<210> 1871

<211> 62

<212> DNA

<213> Newcastle disease virus

<400> 1871

cacggccaat gtggcttcat tctgtttccc tgcaagggca acatgggtcc tcattacctg 60
tg 62

<210> 1872

<211> 69

<212> DNA

<213> Newcastle disease virus

<400> 1872

cgggatgtgc tatcgaatac tgcagacgca gggttaagtc ttgctgttc accatcaagc 60
attgtcccg 69

<210> 1873

<211> 61

<212> DNA

<213> Newcastle disease virus
 <400> 1873
 cttagtagag gtaacctcgt ggtcagcggg cactgcgaca ggcggtggg tacctgcttg 60
 g 61
 <210> 1874
 <211> 75
 <212> DNA
 <213> Newcastle disease virus
 <400> 1874
 gaaagtagaa ttctggcat attctgtat aaatcaccca tatataagac aatattgtct 60
 aggcctctta ctctc 75
 <210> 1875
 <211> 82
 <212> DNA
 <213> Newcastle disease virus
 <400> 1875
 gaagacatgt tggcagaagg ctctctcgag ttgtgcttc gggctcgac tcgagattca 60
 caccttctac ccgtgcgact tc 82
 <210> 1876
 <211> 98
 <212> DNA
 <213> Newcastle disease virus
 <400> 1876
 gctcaatca ggcagtgct aatattcttc ctcaagtact ttattaatct tggtaaagga 60
 ctggatagga tgtctgtcac acgtgccgc tgtgaggt 98
 <210> 1877
 <211> 55
 <212> DNA
 <213> Newcastle disease virus
 <400> 1877
 ggtaggataa tctgatgctc tgcccttca ggaccggagc tcgcatgtc ctacc 55
 <210> 1878
 <211> 67
 <212> DNA
 <213> Newcastle disease virus
 <400> 1878
 gtataaggag ttcccgctc ttgcacatct tacctgggt acagaaagga gatgggatgc 60
 cttatac 67
 <210> 1879
 <211> 57
 <212> DNA
 <213> Newcastle disease virus
 <400> 1879
 tggaaatgat ccgcagaaac aggggtattg tttggctct gctttgatcg gagacca 57
 <210> 1880
 <211> 64
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1880
 atgatagagt aactttgctg tctaactatt tgaacattgt tggacattaa cttttctga 60

tcat 64
 <210> 1881
 <211> 88
 <212> DNA
 <213> Garlic latent virus
 <400> 1881
 cacagcgatg atgaggaact cttgagaaa aatagtaaaa ttcttaccat ttgcattcaa 60
 ggagattgtg aatttcgatt tcgctgtg 88
 <210> 1882
 <211> 84
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1882
 cagattggtg aatgctatgt attgactcga gctcttgga gctcaaaggt ttgttatgg 60
 aatacgttat attcacagag ttg 84
 <210> 1883
 <211> 72
 <212> DNA
 <213> Garlic latent virus
 <400> 1883
 ccctggctaa catgctttc acgttttga ggtatgatct caatgggcag gaaagcattt 60
 gtttgctgg gg 72
 <210> 1884
 <211> 72
 <212> DNA
 <213> Garlic latent virus
 <400> 1884
 gcactaaatg ggacaatcgc ttctgatcgg caaaagccgc ccaaacaatc gtctgcttcc 60
 aacattcagt gt 72
 <210> 1885
 <211> 77
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1885
 gtccaacggc aattaatgat aacaatatta ctataatcac tataattata gtagttatca 60
 tgatatttat ggtggat 77
 <210> 1886
 <211> 63
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1886
 tccaagtaat tcagataatt gattcatata attggtcatt gtgaaatcac ttagttttt 60
 gga 63
 <210> 1887
 <211> 118
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1887
 tctattgagt tgacagatat gatactatct ttttcttgg gatctttagg tgatgtgaat 60
 ttgcccttta ttgattctag gaatttgga gctctgttgt ttgcattctc tccatgga 118

<210> 1888
 <211> 81
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1888
 tctgtatgt cataagtaat gactgaaaat aagtaggttc ttctatttt attcacctt 60
 tatgatactt agacattaag g 81
 <210> 1889
 <211> 106
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1889
 ttacatgctt gctccactct attataatt tactccagtt gactgttaca ggcaattcag 60
 catcacagac aaaaagactg atagggttcag caaaccttat atgtaa 106
 <210> 1890
 <211> 69
 <212> DNA
 <213> respiratory syncytial virus
 <400> 1890
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 tatcatcag 69
 <210> 1891
 <211> 75
 <212> DNA
 <213> Sendai virus
 <400> 1891
 gtgctgatgt tgccactcca agtgctatgg tccaatcac ggcgccgaag aatcttgact 60
 gtgggacatc agcac 75
 <210> 1892
 <211> 87
 <212> DNA
 <213> Sendai virus
 <400> 1892
 tcatcaaat cttacttct ttggtgagaa atctatatgt tatactatgt atagtattct 60
 caaacctatc taatatagtt ttgtga 87
 <210> 1893
 <211> 129
 <212> DNA
 <213> Human parainfluenza virus 3
 <400> 1893
 aagatccgac atctgttgtg tcaatgatat tggatatataa ttctggacat gactctgaat 60
 tgtaagaagc cttgtgtca ctctgactg tattagatca ttgtattat ccgatgccat 120
 ttggatctt 129
 <210> 1894
 <211> 78
 <212> DNA
 <213> Human parainfluenza virus 3
 <400> 1894
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<210> 1895
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 <211> 131
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 <213> Human parainfluenza virus 1 strain Washington/1964
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 <400> 1905
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 <212> DNA
 <213> Canine distemper virus
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 <212> DNA
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acatcccgtg tc 72
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 <212> DNA
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 tgtcttgat gctattctg acac 84
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 <212> DNA
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 <212> DNA
 <213> Canine distemper virus
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 gtaatgtca 129
 <210> 1913
 <211> 71
 <212> DNA
 <213> Canine distemper virus
 <400> 1913
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 <210> 1914
 <211> 79
 <212> DNA
 <213> Canine distemper virus
 <400> 1914
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 <211> 105
 <212> DNA
 <213> Simian hemorrhagic fever virus
 <400> 1915
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gatcagtgaa attaaagatg ccagttacag acctggcct tccc 105
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<211> 58
<212> DNA
<213> Human herpesvirus 4
<400> 1916
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<210> 1917
<211> 78
<212> DNA
<213> Human herpesvirus 4
<400> 1917
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cactatgtct cgcccggg 78
<210> 1918
<211> 96
<212> DNA
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ccacgtccc ccagacgcgc aggcacaggg tctcgg 96
<210> 1919
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<212> DNA
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<400> 1919
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gccacgtg 68
<210> 1920
<211> 112
<212> DNA
<213> Human herpesvirus 4
<400> 1920
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<212> DNA
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gccggtcaca atctccacgc 80
<210> 1922
<211> 61
<212> DNA
<213> Human herpesvirus 4
<400> 1922
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c 61
<210> 1923

<211> 62
 <212> DNA
 <213> Human herpesvirus 4
 <400> 1923
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 <210> 1924
 <211> 78
 <212> DNA
 <213> Human herpesvirus 4
 <400> 1924
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 ttcttgata gagacaca 78
 <210> 1925
 <211> 106
 <212> DNA
 <213> Measles virus
 <400> 1925
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 <212> DNA
 <213> Variola virus
 <400> 1926
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 caatcgacgt 130
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 <211> 78
 <212> DNA
 <213> Variola virus
 <400> 1927
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 ttggatcagt ctctaagt 78
 <210> 1928
 <211> 82
 <212> DNA
 <213> Variola virus
 <400> 1928
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 tcattccat acatgttatt at 82
 <210> 1929
 <211> 129
 <212> DNA
 <213> Variola virus
 <400> 1929
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 ctctaatg 129

<210> 1930
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 <213> Variola virus
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 <210> 1931
 <211> 79
 <212> DNA
 <213> Variola virus
 <400> 1931
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 <210> 1932
 <211> 99
 <212> DNA
 <213> Variola virus
 <400> 1932
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 <211> 110
 <212> DNA
 <213> Variola virus
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 <212> DNA
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 <212> DNA
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 <210> 1936
 <211> 81
 <212> DNA
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 gtcataacct catagtatga g 81
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<211> 86
 <212> DNA
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 tccacaacaa actgaggtac tactgc 86
 <210> 1938
 <211> 89
 <212> DNA
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 gttgacatcc ctttgattgt tgcagtgga 89
 <210> 1939
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 <212> DNA
 <213> Avian paramyxovirus 6
 <400> 1939
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 <210> 1940
 <211> 92
 <212> DNA
 <213> Avian paramyxovirus 6
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 aacgcaccca ctattgagc aagtcagcgc aa 92
 <210> 1941
 <211> 66
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1941
 ccggttctat aaactgcgtg tacccaaaga gagccctggc ttctcgcgt agttcggtta 60
 gaccgg 66
 <210> 1942
 <211> 75
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1942
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 aggtgggttc tcggg 75
 <210> 1943
 <211> 70
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1943
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 <210> 1944
 <211> 75

<212> DNA
 <213> Macaca mulatta rhadinovirus
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 gtcgcgggttc aggtc 75
 <210> 1945
 <211> 60
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1945
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 <210> 1946
 <211> 104
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1946
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 <210> 1947
 <211> 71
 <212> DNA
 <213> Camelpox virus
 <400> 1947
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 attatatatg t 71
 <210> 1948
 <211> 75
 <212> DNA
 <213> Camelpox virus
 <400> 1948
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 aaatatcttt agacc 75
 <210> 1949
 <211> 79
 <212> DNA
 <213> Camelpox virus
 <400> 1949
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 <210> 1950
 <211> 70
 <212> DNA
 <213> Rana tigrina ranavirus
 <400> 1950
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 attcagact 70
 <210> 1951
 <211> 78
 <212> DNA
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 <212> DNA
 <213> Rana tigrina ranavirus
 <400> 1953
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 <212> DNA
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 <400> 1954
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 <210> 1955
 <211> 69
 <212> DNA
 <213> Rana tigrina ranavirus
 <400> 1955
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 catcatgta 69
 <210> 1956
 <211> 130
 <212> DNA
 <213> Rana tigrina ranavirus
 <400> 1956
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 <211> 88
 <212> DNA
 <213> Rana tigrina ranavirus
 <400> 1957
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 ccatctcaaa cagttggccc catctgga 88
 <210> 1958
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 <212> DNA
 <213> Bovine herpesvirus 4
 <400> 1958

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<212> DNA
<213> Bovine herpesvirus 4
<400> 1959
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<210> 1960
<211> 73
<212> DNA
<213> Bovine herpesvirus 4
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<212> DNA
<213> Bovine herpesvirus 4
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<210> 1962
<211> 123
<212> DNA
<213> Bovine herpesvirus 4
<400> 1962
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<212> DNA
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<400> 1963
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<210> 1964
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<212> DNA
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<212> DNA
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gaggaagatg atgcactgca 80
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 <211> 104
 <212> DNA
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 <400> 1966
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 <211> 87
 <212> DNA
 <213> Hendra virus
 <400> 1967
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 caaagagtca tatgatctct gtaaact 87
 <210> 1968
 <211> 123
 <212> DNA
 <213> Hendra virus
 <400> 1968
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 ggt 123
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 <211> 90
 <212> DNA
 <213> Hendra virus
 <400> 1969
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 ttctagcatt gtccttgga tcatgtagat 90
 <210> 1970
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 <212> DNA
 <213> Hendra virus
 <400> 1970
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 tgattatgtt tcttagaaca actgttgtgc 90
 <210> 1971
 <211> 118
 <212> DNA
 <213> Hendra virus
 <400> 1971
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 <212> DNA
 <213> Hendra virus
 <400> 1972
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 tccc 124
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 <211> 127
 <212> DNA
 <213> Hendra virus
 <400> 1973
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 <212> DNA
 <213> Hendra virus
 <400> 1974
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 <210> 1975
 <211> 127
 <212> DNA
 <213> Hendra virus
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 <210> 1976
 <211> 65
 <212> DNA
 <213> Nipah virus
 <400> 1976
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 <210> 1977
 <211> 55
 <212> DNA
 <213> Nipah virus
 <400> 1977
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 <210> 1978
 <211> 100
 <212> DNA
 <213> Nipah virus
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 <212> DNA
 <213> Nipah virus
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 <210> 1980
 <211> 130
 <212> DNA
 <213> Nipah virus
 <400> 1980
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 <212> DNA
 <213> Nipah virus
 <400> 1981
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 <212> DNA
 <213> Nipah virus
 <400> 1982
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 <212> DNA
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 agacgtcac 69
 <210> 1984
 <211> 122
 <212> DNA
 <213> Nipah virus
 <400> 1984
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 <211> 85
 <212> DNA
 <213> Nipah virus
 <400> 1985
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 caagtttgct agtcatgcct tggga 85
 <210> 1986
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 <212> DNA
 <213> Nipah virus
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<211> 76
<212> DNA
<213> Nipah virus
<400> 1987
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<210> 1988
<211> 52
<212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Parsnip yellow fleck virus
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 <211> 128
 <212> DNA
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 <213> Rabbit fibroma virus
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<212> DNA
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 <213> Monkeypox virus
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 agatgtaaag gta 73
 <210> 2179
 <211> 66
 <212> DNA
 <213> Cowpox virus
 <400> 2179
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 attaga 66
 <210> 2180
 <211> 95
 <212> DNA
 <213> Monkeypox virus
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 taaaaacttg tgtgaaatta tgtactagag aaaaa 95

<210> 2181
 <211> 81
 <212> DNA
 <213> Yaba-like disease virus
 <400> 2181
 gcagtatttg ttaactttgt ttaacgaaat gatcatggta gaaatattag gtctgttaat 60
 tataagttcg ttaaaaattg c 81
 <210> 2182
 <211> 97
 <212> DNA
 <213> Yaba-like disease virus
 <400> 2182
 taggcacggtt tgggtaactt ttttaaaaa tattaacgtg ctgtattaca tctgtatgt 60
 aaacgttaaa agaagttaca cttagccggtt ttcctg 97
 <210> 2183
 <211> 87
 <212> DNA
 <213> Yaba-like disease virus
 <400> 2183
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 ctcttcttc aatcaaaaag ttagata 87
 <210> 2184
 <211> 112
 <212> DNA
 <213> Yaba-like disease virus
 <400> 2184
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 cattataaat atctggccaa tacgttggtt tattatcttc tcttattatg gg 112
 <210> 2185
 <211> 122
 <212> DNA
 <213> Yaba-like disease virus
 <400> 2185
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 tgcacccgta aaattcttcg cgtaatatct ttagtaattc gttaagattt ggtcgttgat 120
 ca 122
 <210> 2186
 <211> 126
 <212> DNA
 <213> Cowpox virus
 <400> 2186
 aaatagatgt ttggtgtat atagtacgat agttaatatc aataactcct ttggataata 60
 gataatctaa agattcaacg gcgtcaaaaa ttattaaatg acgaactata tgttcattat 120
 ctattt 126
 <210> 2187
 <211> 109
 <212> DNA
 <213> Cowpox virus
 <400> 2187
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ttccgcatta ggacacgtaa cagtatcatt ccaagaagta ttccatt 109
 <210> 2188
 <211> 95
 <212> DNA
 <213> Camelpox virus
 <400> 2188
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 accttgaac ttctatacgg ggactgatca tatcc 95
 <210> 2189
 <211> 75
 <212> DNA
 <213> Cowpox virus
 <400> 2189
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 acttgactc ttca 75
 <210> 2190
 <211> 79
 <212> DNA
 <213> Cowpox virus
 <400> 2190
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 agtcattgtc tatagtaa 79
 <210> 2191
 <211> 72
 <212> DNA
 <213> Cowpox virus
 <400> 2191
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 acagaaatca aa 72
 <210> 2192
 <211> 124
 <212> DNA
 <213> Cowpox virus
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 agaa 124
 <210> 2193
 <211> 85
 <212> DNA
 <213> Myxoma virus
 <400> 2193
 accgatccaa cgtgtcttgc ctgacgactt gtatatcata ctcgtttat atctcgtcgt 60
 tggataaaa aaatggatac gcggt 85
 <210> 2194
 <211> 68
 <212> DNA
 <213> Myxoma virus
 <400> 2194
 cggcgcggtt ttccaatgc tgaagatagt ccattgtgga catgtcacgt acgaattttg 60

ccgcgctcg 68

<210> 2195

<211> 119

<212> DNA

<213> Myxoma virus

<400> 2195

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aaacgattcg tcgttttcgt cgtactcgta ttctcgcga agatcgtcgg gctgctccg 119

<210> 2196

<211> 55

<212> DNA

<213> Myxoma virus

<400> 2196

gatcgctat ggcgcgttta cgtatgtacg tcacgcgttt actccatagg gtgtc 55

<210> 2197

<211> 68

<212> DNA

<213> Myxoma virus

<400> 2197

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tcagaatc 68

<210> 2198

<211> 64

<212> DNA

<213> Myxoma virus

<400> 2198

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cgac 64

<210> 2199

<211> 76

<212> DNA

<213> Myxoma virus

<400> 2199

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ataactttat gcccgga 76

<210> 2200

<211> 87

<212> DNA

<213> Myxoma virus

<400> 2200

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agtcgatgta ttccgttaaa tcgatga 87

<210> 2201

<211> 71

<212> DNA

<213> Ectromelia virus

<400> 2201

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gctaactcgt t 71

<210> 2202

<211> 70
 <212> DNA
 <213> Ectromelia virus
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 catatcaggt 70
 <210> 2203
 <211> 55
 <212> DNA
 <213> Ectromelia virus
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 <210> 2204
 <211> 72
 <212> DNA
 <213> Ectromelia virus
 <400> 2204
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 taagaggtcg tc 72
 <210> 2205
 <211> 90
 <212> DNA
 <213> Ectromelia virus
 <400> 2205
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 tattatatgg ttagtcagtg agcatatgac 90
 <210> 2206
 <211> 89
 <212> DNA
 <213> Ectromelia virus
 <400> 2206
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 aatgttattc taaaactagc atctgatac 89
 <210> 2207
 <211> 124
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 2207
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 gaactaatca cacatgattt cacactgtaa agaatggggg aactttctag ggttgtaag 120
 ctgt 124
 <210> 2208
 <211> 130
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 2208
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 agtagtgggt gagtagtggt ttagagggta ttacattag tgcagggtga ggtatgtgag 120
 tcgattgggtg 130
 <210> 2209

<211> 59
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 2209
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 <210> 2210
 <211> 83
 <212> DNA
 <213> Equine herpesvirus 2
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 cacaaccctc atcttttag gcc 83
 <210> 2211
 <211> 83
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 2211
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 ttgatctca tgtatcttat gac 83
 <210> 2212
 <211> 114
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 2212
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 gaccttttgt agtatccttg cacagtttat tcttttgtt cttaatgatg ttaa 114
 <210> 2213
 <211> 60
 <212> DNA
 <213> Equine herpesvirus 2
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 <210> 2214
 <211> 85
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 2214
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 taagaataat tcctaaaaga caaga 85
 <210> 2215
 <211> 106
 <212> DNA
 <213> Potato aucuba mosaic virus
 <400> 2215
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 attagatcct ttaagaaaga tagtcatgtg ctttgcctc agatt 106
 <210> 2216
 <211> 72
 <212> DNA
 <213> Potato aucuba mosaic virus

<400> 2216
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 ttgggtacc ac 72
 <210> 2217
 <211> 81
 <212> DNA
 <213> Potato aucuba mosaic virus
 <400> 2217
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 agttgtgtca atgatcatca a 81
 <210> 2218
 <211> 116
 <212> DNA
 <213> porcine epidemic diarrhea virus
 <400> 2218
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 acacttatca cctctcacta cgcagctgta agttttataa ggagtgttgt aatttt 116
 <210> 2219
 <211> 67
 <212> DNA
 <213> porcine epidemic diarrhea virus
 <400> 2219
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 gttgggt 67
 <210> 2220
 <211> 81
 <212> DNA
 <213> porcine epidemic diarrhea virus
 <400> 2220
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 ttagataacg ggtaggcatc t 81
 <210> 2221
 <211> 60
 <212> DNA
 <213> porcine epidemic diarrhea virus
 <400> 2221
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 <210> 2222
 <211> 125
 <212> DNA
 <213> porcine epidemic diarrhea virus
 <400> 2222
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 gtcataacg atgccaagca attgtagctg caccaaggta gaagtaaccc aacaattgtt 120
 atgag 125
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 <211> 80
 <212> DNA
 <213> porcine epidemic diarrhea virus
 <400> 2223

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gtgttaggtt caacaatctc 80
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<211> 58
<212> DNA
<213> porcine epidemic diarrhea virus
<400> 2224
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<210> 2225
<211> 112
<212> DNA
<213> porcine epidemic diarrhea virus
<400> 2225
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<210> 2226
<211> 79
<212> DNA
<213> porcine epidemic diarrhea virus
<400> 2226
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ctggcgatct gagcatagc 79
<210> 2227
<211> 122
<212> DNA
<213> porcine epidemic diarrhea virus
<400> 2227
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actttgggta atcccaaccc ataagacacg gattttcaac accatcaata aggttcttaa 120
gc 122
<210> 2228
<211> 104
<212> DNA
<213> porcine epidemic diarrhea virus
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catcaatctc ttcaagcact gctggacact gtgggattgt aggc 104
<210> 2229
<211> 94
<212> DNA
<213> porcine epidemic diarrhea virus
<400> 2229
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ccacattta caatcaacca taactcatg aacc 94
<210> 2230
<211> 70
<212> DNA
<213> porcine epidemic diarrhea virus
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atggtcttac 70
 <210> 2231
 <211> 120
 <212> DNA
 <213> porcine epidemic diarrhea virus
 <400> 2231
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 <212> DNA
 <213> porcine epidemic diarrhea virus
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 <211> 102
 <212> DNA
 <213> Transmissible gastroenteritis virus
 <400> 2233
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 <211> 59
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 <211> 98
 <212> DNA
 <213> Transmissible gastroenteritis virus
 <400> 2235
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 attcgtcaag attttgcatt tctgagacat caacattg 98
 <210> 2236
 <211> 99
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 ctaatcatat taggtaaagc acggtcacac ttaggatag 99
 <210> 2237
 <211> 68
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 gtgtatac 68
 <210> 2238

<211> 89
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 aataacatgt ctagggcaaa tgacttcat 89
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 <212> DNA
 <213> Transmissible gastroenteritis virus
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 caggtgcaat ttcttgaac 79
 <210> 2240
 <211> 79
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 catttgcctt atgactca 79
 <210> 2241
 <211> 75
 <212> DNA
 <213> Transmissible gastroenteritis virus
 <400> 2241
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 ttgactttct gtcca 75
 <210> 2242
 <211> 74
 <212> DNA
 <213> Oat chlorotic stunt virus
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 gcactgccat tgct 74
 <210> 2243
 <211> 93
 <212> DNA
 <213> Oat chlorotic stunt virus
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 acgccgagcc gcaagaggaa ggtgtaccaa cag 93
 <210> 2244
 <211> 61
 <212> DNA
 <213> Oat chlorotic stunt virus
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<212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2245
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 tgggt 125
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 <211> 81
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 <213> Alcelaphine herpesvirus 1
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 atagcttttc cgcaagagac t 81
 <210> 2247
 <211> 69
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2247
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 cttatatgg 69
 <210> 2248
 <211> 64
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2248
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 ttgg 64
 <210> 2249
 <211> 81
 <212> DNA
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 gacaagctat tttaaatga g 81
 <210> 2250
 <211> 70
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 attgaatgtc 70
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 <211> 52
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 <211> 84
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<213> Alcelaphine herpesvirus 1
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 <210> 2253
 <211> 81
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2253
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 gtaccagtac gagtcaatgc c 81
 <210> 2254
 <211> 88
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2254
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 ctgacagtgc aagtatgcgt gaaaagcc 88
 <210> 2255
 <211> 131
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2255
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 gggctcctgct t 131
 <210> 2256
 <211> 131
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2256
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 tagagaggtg t 131
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 <211> 87
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 <211> 94
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 ttggcccttg tagagggtgc tgcattgat gaac 94
 <210> 2259
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<212> DNA
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 <211> 107
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 <210> 2261
 <211> 81
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 <210> 2262
 <211> 69
 <212> DNA
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 <210> 2263
 <211> 83
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 agtactctgg taggagactg gca 83
 <210> 2264
 <211> 112
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2264
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 <211> 131
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 2265
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 ttccaggggc g 131
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 <211> 77

<212> DNA
 <213> Alcelaphine herpesvirus 1
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 <211> 131
 <212> DNA
 <213> Murine hepatitis virus
 <400> 2267
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 catgcaactc t 131
 <210> 2268
 <211> 58
 <212> DNA
 <213> Murine hepatitis virus
 <400> 2268
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 <210> 2269
 <211> 92
 <212> DNA
 <213> Murine hepatitis virus
 <400> 2269
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 tagcaccgtt tgaattcaca agctggatac at 92
 <210> 2270
 <211> 91
 <212> DNA
 <213> Murine hepatitis virus
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 <213> Rat cytomegalovirus
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 aatcaaaata ttgtgttaa atgtatgaga tc 92
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 <212> DNA
 <213> Goatpox virus
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 <212> DNA
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<212> DNA

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<212> DNA

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<212> DNA

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<212> DNA

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 <213> Himetobi P virus
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 <212> DNA
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 <212> DNA
 <213> Triatoma virus
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 <212> DNA
 <213> Triatoma virus
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 <213> Triatoma virus
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<212> DNA
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 <212> DNA
 <213> Triatoma virus
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 <213> Triatoma virus
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 atgtttccga c 131
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 <212> DNA
 <213> Triatoma virus
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 <212> DNA
 <213> Triatoma virus
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 gggttttaa acttctagt gaactggtaa gaaacagatt ttggaaatg atggtgaatt 120
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 <212> DNA
 <213> Triatoma virus
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 <213> Triatoma virus
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 <211> 91
 <212> DNA
 <213> Triatoma virus
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 <211> 130
 <212> DNA
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 tctatcgtgt 130
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 <212> DNA
 <213> Triatoma virus
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 ctggaatgct tagaaatcat gaacttg 87
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 <211> 130
 <212> DNA
 <213> Triatoma virus
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 <212> DNA
 <213> Triatoma virus
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 gcgatacggt tctga 75
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 <212> DNA
 <213> Triatoma virus
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 <211> 63
 <212> DNA
 <213> Satsuma dwarf virus
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 <210> 2571
 <211> 111
 <212> DNA
 <213> Satsuma dwarf virus
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 <212> DNA
 <213> Satsuma dwarf virus
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 aagaaaatc 69
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 <212> DNA
 <213> Satsuma dwarf virus
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 <211> 63
 <212> DNA
 <213> Satsuma dwarf virus
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 gta 63
 <210> 2575
 <211> 75
 <212> DNA
 <213> Apple latent spherical virus
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 gtcactaaag acaat 75
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 <211> 109
 <212> DNA
 <213> Apple latent spherical virus
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 <211> 75
 <212> DNA
 <213> Apple latent spherical virus
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 <211> 121
 <212> DNA
 <213> Apple latent spherical virus
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 <211> 62
 <212> DNA
 <213> Apple latent spherical virus
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 <210> 2580
 <211> 70
 <212> DNA
 <213> Apple latent spherical virus
 <400> 2580
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 <210> 2581
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 <212> DNA
 <213> Apple latent spherical virus
 <400> 2581
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 <211> 131
 <212> DNA
 <213> Tobacco rattle virus
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 gtaaatttgt t 131
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 <212> DNA
 <213> Tobacco rattle virus
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 <212> DNA
 <213> Tobacco rattle virus
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 cataaacggg 130
 <210> 2585
 <211> 131
 <212> DNA
 <213> Obuda pepper virus
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 <211> 130
 <212> DNA
 <213> Obuda pepper virus
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 <212> DNA
 <213> Obuda pepper virus
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 <210> 2588
 <211> 130
 <212> DNA
 <213> Obuda pepper virus
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 ctgaaaaaagc 130
 <210> 2589
 <211> 91
 <212> DNA
 <213> Sugarcane striate mosaic associated virus
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 <210> 2590
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<212> DNA
 <213> Sugarcane striate mosaic associated virus
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 <212> DNA
 <213> Salmon pancreas disease virus
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 <210> 2592
 <211> 131
 <212> DNA
 <213> Salmon pancreas disease virus
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 <211> 70
 <212> DNA
 <213> Ljungan virus
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 <210> 2594
 <211> 129
 <212> DNA
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 <211> 69
 <212> DNA
 <213> Ljungan virus
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 <212> DNA
 <213> Equine rhinitis A virus
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 <212> DNA
 <213> Equine rhinitis A virus
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 <210> 2599
 <211> 64
 <212> DNA
 <213> Equine rhinitis A virus
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 <211> 103
 <212> DNA
 <213> Equine rhinitis B virus
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 <212> DNA
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 <212> DNA
 <213> Equine rhinitis B virus
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 <212> DNA
 <213> Equine rhinitis B virus
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<211> 111
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 <212> DNA
 <213> Equine rhinitis B virus
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 <211> 92
 <212> DNA
 <213> Porcine enterovirus A (PEV8)
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 <212> DNA
 <213> Porcine enterovirus A (PEV8)
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 <211> 71
 <212> DNA
 <213> Porcine enterovirus A (PEV8)
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 <212> DNA
 <213> A-2 plaque virus
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 <212> DNA
 <213> A-2 plaque virus
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<212> DNA
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 <213> Avian encephalomyelitis virus
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 ttctgagga gactgttt 78
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 <212> DNA
 <213> Avian encephalomyelitis virus
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 <211> 64
 <212> DNA
 <213> Avian encephalomyelitis virus
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 <212> DNA
 <213> Tamana bat virus
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 <212> DNA
 <213> Tamana bat virus
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<211> 129
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 <213> Tamana bat virus
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 <213> Tamana bat virus
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 <212> DNA
 <213> sheeppox virus
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 <212> DNA
 <213> Goatpox virus
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 <212> DNA
 <213> Foot-and-mouth disease virus O
 <400> 2624
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 <212> DNA
 <213> Foot-and-mouth disease virus O
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 <212> DNA
 <213> Foot-and-mouth disease virus O
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 <212> DNA
 <213> Foot-and-mouth disease virus O
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 <210> 2629
 <211> 129
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
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 tcaattttg 129
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 <211> 69
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 2630
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 ccaccattc 69
 <210> 2631
 <211> 98
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 2631
 gccgtattta tottgcaat aaggtagagc agttctcaca taggcttata ggtagtgtgt 60
 gtaatatgtt ttgagattt gttcgtaggt gttatggt 98
 <210> 2632

<211> 72
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 2632
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 cttgtttac cc 72
 <210> 2633
 <211> 78
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 2633
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 ggacattggc attcttga 78
 <210> 2634
 <211> 113
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 2634
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 tgcagagata gtgttcacac ccatccttac accagatgga actgttgta aga 113
 <210> 2635
 <211> 70
 <212> DNA
 <213> Cowpea aphid-borne mosaic virus
 <400> 2635
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 acttgacaa 70
 <210> 2636
 <211> 93
 <212> DNA
 <213> Trichomonas vaginalis virus 3
 <400> 2636
 gaacaaggaa atggagctcg aactctccc acttaagaag gccccacaag ccgatcttaa 60
 agtgaactgt tacgcgcgaa acgtcctgc ttc 93
 <210> 2637
 <211> 83
 <212> DNA
 <213> Trichomonas vaginalis virus 3
 <400> 2637
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 ttgcgcttgc ataggcgtgc ggg 83
 <210> 2638
 <211> 64
 <212> DNA
 <213> Sorghum mosaic virus
 <400> 2638
 aaccaattgt gcatcattga gaatcactcg aacgatgtga gacaatgtat gtatgcgata 60
 gggtt 64
 <210> 2639
 <211> 71

<212> DNA
 <213> Sorghum mosaic virus
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 <212> DNA
 <213> Sorghum mosaic virus
 <400> 2640
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 gcagtatcag ggattagcca tgttgaccct gc 92
 <210> 2641
 <211> 75
 <212> DNA
 <213> Sorghum mosaic virus
 <400> 2641
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 ctaatggtat ggtgc 75
 <210> 2642
 <211> 73
 <212> DNA
 <213> Potato virus A
 <400> 2642
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 ttgtgatag ttg 73
 <210> 2643
 <211> 114
 <212> DNA
 <213> Potato virus A
 <400> 2643
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 caattaggcc agatatggag cataagctag atggattca agctctattt agtg 114
 <210> 2644
 <211> 67
 <212> DNA
 <213> Potato virus A
 <400> 2644
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 gcaagtt 67
 <210> 2645
 <211> 77
 <212> DNA
 <213> Potato virus A
 <400> 2645
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 agcgcatcat agctttc 77
 <210> 2646
 <211> 69
 <212> DNA

<213> Potato virus A
 <400> 2646
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 tcgaatctc 69
 <210> 2647
 <211> 79
 <212> DNA
 <213> Potato virus A
 <400> 2647
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 attttgaag attcaagc 79
 <210> 2648
 <211> 100
 <212> DNA
 <213> Potato virus A
 <400> 2648
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 aagttgagat catcaccaag ggcagtgcta acaaaaagca 100
 <210> 2649
 <211> 66
 <212> DNA
 <213> Potato virus A
 <400> 2649
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 ttgcca 66
 <210> 2650
 <211> 120
 <212> DNA
 <213> Cryphonectria parasitica mitovirus 1-NB631
 <400> 2650
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 atttcgacat ttctatcgg agctggttta gtattattca ctttgagaaa caaatattac 120
 <210> 2651
 <211> 76
 <212> DNA
 <213> Cryphonectria parasitica mitovirus 1-NB631
 <400> 2651
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 gtagggcaac ccatgg 76
 <210> 2652
 <211> 130
 <212> DNA
 <213> Cryphonectria parasitica mitovirus 1-NB631
 <400> 2652
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 gaatatcaaa 130
 <210> 2653
 <211> 76
 <212> DNA

<213> Bean common mosaic necrosis virus
 <400> 2653
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 gataaaagct tggctc 76
 <210> 2654
 <211> 121
 <212> DNA
 <213> Bean common mosaic necrosis virus
 <400> 2654
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 cacattgatt ggtggtggct ggatgttatg ggattatttc cgtcactata tgcaagaacc 120
 t 121
 <210> 2655
 <211> 127
 <212> DNA
 <213> Bean common mosaic necrosis virus
 <400> 2655
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 ttgtataacc cgtgctgttg tgcacgcag gatgatggca gaccgttcta ttctgagttg 120
 aagagcc 127
 <210> 2656
 <211> 130
 <212> DNA
 <213> Bean common mosaic necrosis virus
 <400> 2656
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 gaaaaatcat ttgacacaa ttgctcctc actcacaggg cattcatttt cattggctgg 120
 catcgcagat 130
 <210> 2657
 <211> 82
 <212> DNA
 <213> Ophiostoma mitovirus 3a
 <400> 2657
 aatgccttgt gtacttaagt tagagtcaat cacagatcct tttaaaggga ttctgatac 60
 tcttctaag tccgagatca tt 82
 <210> 2658
 <211> 77
 <212> DNA
 <213> Ophiostoma mitovirus 3a
 <400> 2658
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 caagctccac taaacag 77
 <210> 2659
 <211> 80
 <212> DNA
 <213> Ophiostoma mitovirus 3a
 <400> 2659
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 ataagattat tagtatgaag 80
 <210> 2660

<211> 82
 <212> DNA
 <213> Ophiostoma mitovirus 3a
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 tgcaagataa accggtgaga ag 82
 <210> 2661
 <211> 74
 <212> DNA
 <213> Ophiostoma mitovirus 3a
 <400> 2661
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 ctataagggg agtc 74
 <210> 2662
 <211> 65
 <212> DNA
 <213> Ophiostoma mitovirus 3a
 <400> 2662
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 cttat 65
 <210> 2663
 <211> 75
 <212> DNA
 <213> Ophiostoma mitovirus 3a
 <400> 2663
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 tgcgttactt ggtga 75
 <210> 2664
 <211> 75
 <212> DNA
 <213> Ophiostoma novo-ulmi mitovirus 4-Ld
 <400> 2664
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 taaaaagaat tcctt 75
 <210> 2665
 <211> 81
 <212> DNA
 <213> Ophiostoma novo-ulmi mitovirus 4-Ld
 <400> 2665
 actgataatg atcattatct aagcataaaa ggttctccaa atggaaaagc ttcaatgtct 60
 agtctatatt caattatcag t 81
 <210> 2666
 <211> 93
 <212> DNA
 <213> Ophiostoma novo-ulmi mitovirus 4-Ld
 <400> 2666
 agaaaaagta atggtttatt atacactatc aagtatatga aagctgcaaa gcttcatata 60
 acaagatata tgtgtggtaa accattatat tct 93
 <210> 2667
 <211> 86

<212> DNA

<213> Ophiostoma novo-ulmi mitovirus 4-Ld

<400> 2667

agtctaatat gatgtctaga attgagata tggcctgtc ttataggacg agtccaatgt 60
catattctac actaacattc gagact 86

<210> 2668

<211> 86

<212> DNA

<213> Ophiostoma novo-ulmi mitovirus 4-Ld

<400> 2668

gatagatttc caatattctt acaacaaaaa cttatatcat taatatthaa tgattatgag 60
tttggtaaaa attggagaaa tctatt 86

<210> 2669

<211> 84

<212> DNA

<213> Ophiostoma novo-ulmi mitovirus 4-Ld

<400> 2669

gttttatatg atgcctagta ttgagatat ggcctcgtct tcaacaacgg gaccaaagcc 60
atttactact gcaacattca aaac 84

<210> 2670

<211> 96

<212> DNA

<213> Ophiostoma novo-ulmi mitovirus 5-Ld

<400> 2670

ataatccaga attacaatga agtagagatg atcattattt gagttttaa agctcgcccta 60
atggtcaatc tacattacat agtagctatg gattat 96

<210> 2671

<211> 87

<212> DNA

<213> Ophiostoma novo-ulmi mitovirus 5-Ld

<400> 2671

gttaagaggt attttaaata atctaaataa ctatggaatt gtattccaag aattatttaa 60
atttcattat aaatacccac attaac 87

<210> 2672

<211> 101

<212> DNA

<213> Ophiostoma novo-ulmi mitovirus 5-Ld

<400> 2672

tgagaaagat aaatggctct aaattcacia ttaagtatat gaaagctgtt aagcttcata 60
ttactaaata tattgcaaat gaaagattat tatcgatttc a 101

<210> 2673

<211> 115

<212> DNA

<213> Southern bean mosaic virus

<400> 2673

catagaagtt caagtaaacc cctcatggat tagcctctta ggtggctctc tcaagataaa 60
cggagatgac gcctctaatt agtctgctgt gttggaagc tttattctt ctgtg 115

<210> 2674

<211> 119

<212> DNA

<213> Southern bean mosaic virus

<400> 2674

ctgggagttg tgggctgatg tagagatgag aattgttctg gggggcttg gccataaact 60
ggctaaagcc gccagaata ggtttcgtg ttcatgaac tcagtctcc agctctcg 119

<210> 2675

<211> 74

<212> DNA

<213> Southern bean mosaic virus

<400> 2675

tctgctctgg ttgagcgcgt cattcgcgac ataccttat aagtatgtga gaactcggct 60
gctcccagag gaga 74

<210> 2676

<211> 77

<212> DNA

<213> Phthorimaea operculella granulovirus

<400> 2676

atatttat tgtattgaat agcgtgtggg tatattgtta tacggcgctt aacatgaaat 60
ccatacaata tgaagat 77

<210> 2677

<211> 125

<212> DNA

<213> Phthorimaea operculella granulovirus

<400> 2677

gaatttgaat ttgtaaatac attgggtgag agaatgagtc gttcgcaa atattggagat 60
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aattt 125

<210> 2678

<211> 113

<212> DNA

<213> Phthorimaea operculella granulovirus

<400> 2678

gagatgatc gattaaacaa attggtacaa aataatccgt ctgtgtggca agatttattg 60
ttggtgtgca cagatcgaga caatatgtac acatggatgg tcagatttta tt 113

<210> 2679

<211> 61

<212> DNA

<213> Phthorimaea operculella granulovirus

<400> 2679

gcgatttgtt gttaattgtt ttgcgcaaag aacagacgtg ttacagttg attcaaatg 60
t 61

<210> 2680

<211> 93

<212> DNA

<213> Phthorimaea operculella granulovirus

<400> 2680

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gctacaaacg ttgctgatc gacgacccca cgt 93

<210> 2681

<211> 63

<212> DNA

<213> Fringilla coelebs papillomavirus (FPV)
 <400> 2681
 gctctatagc ttaccattat gctatacatg ctgagcaaga taataatgcc aagctatggt 60
 tgc 63
 <210> 2682
 <211> 79
 <212> DNA
 <213> Paprika mild mottle virus
 <400> 2682
 acgtcgatcc tctaaagata atctctaagt taggtgctaa gcatataaca gatagggagc 60
 atctggaaga gtttcgtgt 79
 <210> 2683
 <211> 123
 <212> DNA
 <213> Paprika mild mottle virus
 <400> 2683
 agtaatcttc ttaaataatgt ttgtaaaact tattcccag cgtctagtag atatgtatat 60
 atgaaggaat ttctagtaac tagggtaaact acttggtttt gcaaattcac taaactagat 120
 act 123
 <210> 2684
 <211> 129
 <212> DNA
 <213> Paprika mild mottle virus
 <400> 2684
 ctaatcaca tcagaacctc tcaggccaaa gcactgacat acaataatgt gttatccttc 60
 gtcgaatcaa ttagatcgag ggtaatcatt aatgggtgtca cagcgaggtc agaatgggac 120
 gtggataag 129
 <210> 2685
 <211> 98
 <212> DNA
 <213> Paprika mild mottle virus
 <400> 2685
 gggtattcat agacgaaggt ttgatgttgc atccaggctg tgttacttt ttagtaactc 60
 taagtctgtg tgatgaagcc ttgtctttg gagatacc 98
 <210> 2686
 <211> 131
 <212> DNA
 <213> La Crosse virus
 <400> 2686
 aaccttcaaa ctcatattgc ttcaaagtc ctacaaagc ataaaaggta tatcaactta 60
 cacagaagcg ttcaaactt taggaaaaat gatggatatt ggagataagg ctattgagta 120
 tgaagaattc t 131
 <210> 2687
 <211> 93
 <212> DNA
 <213> La Crosse virus
 <400> 2687
 ggtgtattag atgtccatt gtcaatgatt agtacagttg gattggaatc tgggaattta 60
 tacttcttga taaagttgtt gagcaaatat acc 93
 <210> 2688

<211> 81
 <212> DNA
 <213> La Crosse virus
 <400> 2688
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 ggtctatttt gacacctaga a 81
 <210> 2689
 <211> 101
 <212> DNA
 <213> Mamestra configurata nucleopolyhedrovirus B
 <400> 2689
 ctgagctata gtaaaaacga aacacccgtt gtcaaataca acaagagcca taacaacaat 60
 tgtgtgttg tcgaggggtg caatatgcta catatggccg g 101
 <210> 2690
 <211> 89
 <212> DNA
 <213> Mamestra configurata nucleopolyhedrovirus B
 <400> 2690
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 ttaaaggcaa ctatacgga cagaaaaa 89
 <210> 2691
 <211> 127
 <212> DNA
 <213> Heliothis zea virus 1 (HZV-1)
 <400> 2691
 gattcgaat gttcaaggct gtgctgtaca agtgcattca actggaccga cagactgcat 60
 cgattgacga tcgattctc tccaagttg agtgcattt ggacgatgcc accgagagct 120
 acgattc 127
 <210> 2692
 <211> 93
 <212> DNA
 <213> Heliothis zea virus 1 (HZV-1)
 <400> 2692
 atgccgcta cactgtcta aactctagtc aaaaggtggc cttcagatt atacacaaac 60
 agattagcga tagctttaga ttggacacgg cat 93
 <210> 2693
 <211> 109
 <212> DNA
 <213> Heliothis zea virus 1 (HZV-1)
 <400> 2693
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 gtttgaccg ctactgtac tcatacaggg ctactgtac atcaagtac 109
 <210> 2694
 <211> 109
 <212> DNA
 <213> Heliothis zea virus 1 (HZV-1)
 <400> 2694
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 tgctcctcc ggtaaagagt ccaacattga aacggtagca ttgggctcg 109
 <210> 2695

<211> 123
 <212> DNA
 <213> Heliothis zea virus 1 (HZV-1)
 <400> 2695
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 ttt 123
 <210> 2696
 <211> 88
 <212> DNA
 <213> Heliothis zea virus 1 (HZV-1)
 <400> 2696
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 ctacatctaa tgtaaagtct gattcgac 88
 <210> 2697
 <211> 123
 <212> DNA
 <213> Chikungunya virus
 <400> 2697
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 gtcgtctccg atgaattgat ggcagccaga tgcgccactt ggatgaacat ggaagtgaag 120
 atc 123
 <210> 2698
 <211> 80
 <212> DNA
 <213> Chikungunya virus
 <400> 2698
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 aagaaagaaa actgccaaga 80
 <210> 2699
 <211> 91
 <212> DNA
 <213> Mammalian orthoreovirus 2
 <400> 2699
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 ctggccccag ttgctcggca ttttatgag g 91
 <210> 2700
 <211> 85
 <212> DNA
 <213> Mammalian orthoreovirus 2
 <400> 2700
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 gatggaagtg ctggtgtgc gtatt 85
 <210> 2701
 <211> 95
 <212> DNA
 <213> Mammalian orthoreovirus 2
 <400> 2701
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 agcgccgaag ctggtcttag aggagttcgc tgaga 95

<210> 2702
 <211> 112
 <212> DNA
 <213> Tacaribe virus
 <400> 2702
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 taaaagagg caaagtttt gaggaacc tgatcagtct tattggtaga ga 112
 <210> 2703
 <211> 130
 <212> DNA
 <213> Rachiplusia ou multiple nucleopolyhedrovirus
 <400> 2703
 gatccggctt tcaacagaaa ttaaatgac gagcgattcc aaaacttgag gcaacaatac 60
 gacgaaatgt ctagtataa ttcagcttg gaaacgacta aaattaaaga gatggagaat 120
 atcgagatc 130
 <210> 2704
 <211> 76
 <212> DNA
 <213> Rachiplusia ou multiple nucleopolyhedrovirus
 <400> 2704
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 gaacgatcag aaaagc 76
 <210> 2705
 <211> 131
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2705
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 aatccccca ggcgcctg caactgctat attgaacagt atcgtaatc attgtgtct 120
 tgctgattcg t 131
 <210> 2706
 <211> 130
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2706
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 ctgaacaag aaaaccatgt taaggatcct cgtagagaca ttgccattgt acaattacc 120
 acaaattattg 130
 <210> 2707
 <211> 131
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2707
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 taagcaaatt agtaatactt tgccttctat catcaagaat cccgaactga aacgactaat 120
 cgactcacac g 131
 <210> 2708
 <211> 89
 <212> DNA
 <213> Aphid lethal paralysis virus

<400> 2708
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 cctgcacatt ataaactgcc attaacgcg 89
 <210> 2709
 <211> 125
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2709
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 agaagaacac aatcttagct gcacagaatc tattaccgcg tttgccaaa attgaaccaa 120
 tcgag 125
 <210> 2710
 <211> 83
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2710
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 gcatatttg tggcaccaat agc 83
 <210> 2711
 <211> 128
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2711
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 aacaagacaa aggttcgatt gtcacgcta gagacgtagt ttaccgcaat ctttcagat 120
 tcacggtg 128
 <210> 2712
 <211> 106
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2712
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 atcaaccaag tcgcagattg tgattgtaac acatgtgatt gctgta 106
 <210> 2713
 <211> 131
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2713
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 acttattgca tcgaacgctg ctattactca gaaaattatg ggcacgata ttgcaggaat 120
 tacgcatatg a 131
 <210> 2714
 <211> 76
 <212> DNA
 <213> Aphid lethal paralysis virus
 <400> 2714
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